## Primena višejezičnih korpusa u nastavi stranih jezika: mogućnosti i perspektive

- ➤ Računarski podržan model nastave, učenja i usvajanja ciljnog stranog jezika zasnovan na eksploataciji dvojezičnog elektronskog korpusa
- ➤ Karakteristike korpusnog materijala, faze formiranja korpusa
- ➤ Metode i tehnike eksploatacije korpusa u neposrednom nastavnom procesu
- Razvojne mogućnosti korpusno zasnovane nastave stranih jezika

- ➤ Volfgang Tjubert (Teubert, 1996), uticaj korpusa na dinamiku i kvalitet leksikografskih istraživanja
- Džon Nerbon (Nerbonne, 1997), jeftiniji i kvalitetniji istraživački procesi
- Paskaleva, Mihov (Paskaleva, Mihov, 1997), korpusi i prevođenje
- ➤ Federiko Zanetin (Zanettin, 2002) značaj masifikacije višejezičnih korpusa, ali i sistematične obuke u formiranju i eksploataciji korpusa
- ➤ Suzan Hanston (Hunston, 2010), interdisciplinarni kapacitet korpusno zasnovanih istraživanja

- ➤O'Kifi, Makarti, Karter (O'Keeffe, McCarthy and Carter, 2010), "A corpus is a principled collection of texts." (str. 1)
- ➤ Rendi Repen (Rappen, 2014), samostalno kompilovani, specijalizovani mikro-korpusi
- ➤ Kerol Čapel (Chapelle, 2013), CALL testing
- ➤Toni Makenri, Endru Hardi (McEnery, Hardie, 2012), korpusno zasnovana istraživanja će preusmeriti celokupan pristup fenomenu jezika
- ➤ Silvijan Grejdžer (Granger, 2010) trenutni prelaz od atomističkog ka sistemskom pristupu korpusnom materijalu

- ➤ Krstev, Vitas (1994, 2008, 2011), principi formiranja, eksploatacije i analize višejezičnih korpusa izbor tekstova, etiketiranje, proces paralelizacije, tehnički zahtevi
- ➤ Utvić, Stanković, Obradović (2008) ACIDE integrisano okruženje za pripremu paralelizovanog korpusa
- ➤ Programski paket WordSmith Tools (Mike Scott, 2012) proste, složene i mešovite konkordance, ilustrativne, predavačke i samostalne, ConcBanks

## Parametrizacija paralelnog pedagoškog korpusa

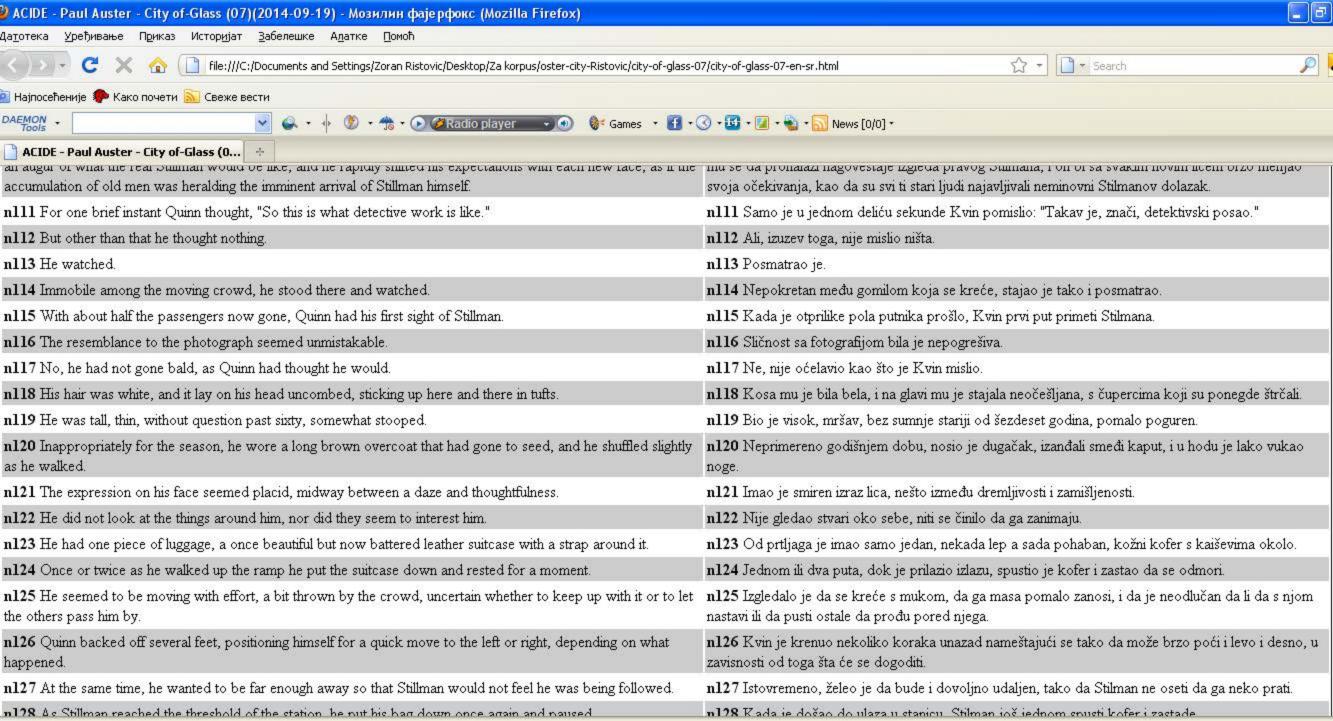
- ➤ Korpusni materijal treba da bude pregledan i jasan, jezički bogat i kompleksan, kako bi omogućavao leksičke, semantičke i sintaksičke vežbe
- ➤ Korpus treba da sadrži original na ciljnom stranom jeziku i prevod na maternji jezik, kako bi omogućavao tekstualnorekonstruktivne i dvosmerne prevodilačke vežbe
- ➤ Periferno prisutne vrednosti estetski efekti, autentični istorijski događaji, geografske činjenice, i dr.
- ➤ Korpus književni tekst, prevod, inventar jezičkih instanci treba da bude računarski manipulativan, otvoren za zahvate pomoću raznovrsnih alata i programa

## Faze u formiranju dvojezičnog elektronskog korpusa

- ➤ Selekcija testova
- **≻**Etiketiranje
- ▶ Paralelizacija
- ➤ Validacija procesa paralelizacije



67 <body> 68 <div> 69 <seg>10</seq> Stillman was gone now.</seg><seg> The old man had become part of the 71 a brick in an endless wall of bricks.</seq><seq> Quinn could walk through the st 72 and still he would not find him.</seq><seq> Everything had been reduced to chance 73 probabilities.</seg><seg> There were no clues, no leads, no moves to be made.</s Quinn backtracked in his mind to the beginning of the case.</seq><seq 75 follow Stillman.</seq><seq> That had simply been a method, a way of trying to pr 76 watching Stillman, the theory was that he would learn what his intentions were t 77 followed the old man for two weeks.</seq><seq> What, then, could be conclude?</s 78 been too obscure to give any hints.</seq> There were, of course, certain extreme measures that they could take. 80 Stillman that she get an unlisted telephone number.</seg><seg> That would elimin 81 temporarily.</seg><seg> If that failed, she and Peter could move.</seg><seg> The 82 the city altogether.</seg><seg> At the very worst, they could take on new identi



Пол Остер: "Њујоршка Трилогија"	број реченица		Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.
	Енг. Срп.		<body></body>				<div></div>				>				<seg></seg>			
	7644	7630	23	23	23	23	23	23	23	23	1030	1030	1030	1030	7644	7644	7644	7644
			4	6	4	6	4	6	4	6	20	60	20	60	15	288	153	288
укупно	152	74		34880														
Ернест Хемингвеј -кратке приче-	1176	1176	9	9	9	9	9	9	9	9	730	730	730	730	1176	1176	1176	1176
			1	8	1	.8	1	.8	1	8	14	60	14	60	23	52	23	52
укупно	23:	52	7696															
Σ	17626			42576														

Пол Остер: "Њујоршка Трилогија"	број реченица		Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.	Енг.	Срп.
	Енг. Срп.		<body></body>				<div></div>								<seg></seg>			
	7644	7630	23	23	23	23	23	23	23	23	1030	1030	1030	1030	7644	7644	7644	7644
			4	6	4	6	4	6	4	6	20	60	20	60	152	288	152	288
укупно	152	74		34880														
Ернест Хемингвеј -кратке приче-	1176	1176	9	9	9	9	9	9	9	9	730	730	730	730	1176	1176	1176	1176
			1	8	1	8	1	.8	1	8	14	60	14	60	23	52	23	52
укупно	235	52					•		•	70	596				•			
Σ	17626			42576														



УЧЕНИЦИ-КОРИСНИЦИ КОРПУСА -групни модел експлоатације-

наставник страног језика -иницијатор, надзирач, евалуатор-

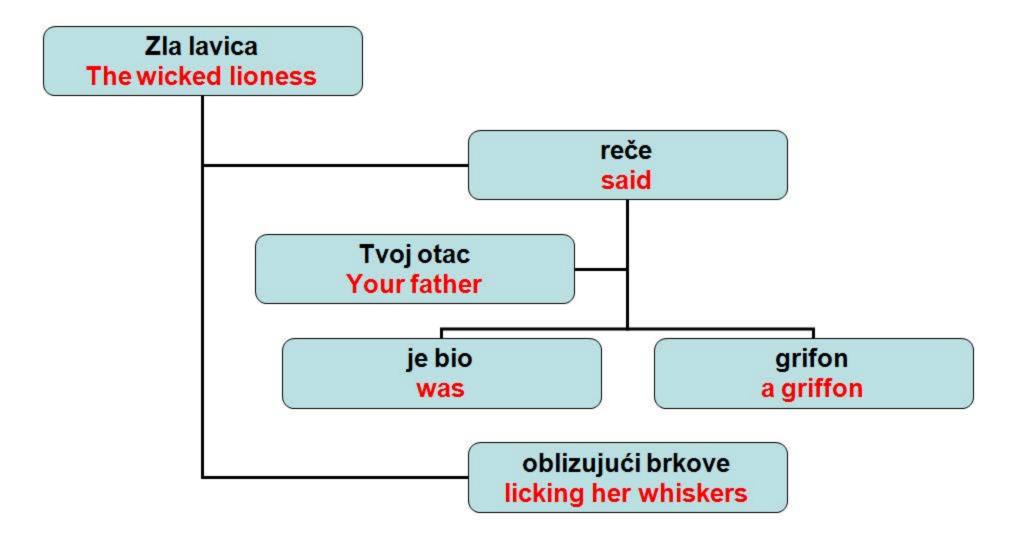
## Paralelna montaža ulaznog jezičkog sadržaja

➤ Paralelno montiran dvojezični sadržaj može obuhvatiti reči, fraze, konstrukcije, ili veće epizodične instance teksta

### Tekstualni duali

Osnovne paralelizovane jezičke količine koje se uključuju u nastavni proces





## Grad od Stakla, Poglavlje 11

City of Glass, Chapter 11

Časovnik je pokazivao da je skoro šest sati.Kvin je otišao kući istim putem kojim je došao, i od svakog novog bloka išao je sve dužim korakom Do trenutka kad je ušao u svoju ulicu, već je bio prešao u trk. Danas je drugi jun, reče on sebi

His watch read nearly six. Quinn walked home the way he had come, lengthening his strides with each new block. By the time he came to his street, he was running. It's June second, he told himself

ACIDE - Paul Auster - City of-Glass (0 🛨	
n19 He had not really lost himself, he was merely pretending, and he could return to being Quinn whenever he wished.	n19 Sebe nije zapravo izgubio; samo se pretvarao, i mogao je ponovo da bude Kvin, kad god poželi.
n20 The fact that there was now a purpose to his being Paul Auster-a purpose that was becoming more and more important to him-served as a kind of moral justification for the charade and absolved him of having to defend his lie.	n20 Činjenica da je to što je bio Pol Oster imalo svrhu - svrhu koja mu je sve više i više postajala važna - služila je kao neka vrsta moralnog opravdanja za ludiranje i razrešavala ga obaveze da brani sopstvenu laž.
n21 For imagining himself as Auster had become synonymous in his mind with doing good in the world.	n21 Jer zamišljati sebe kao Ostera, za njegov um postalo je isto što i činiti dobra dela na ovome svetu.
n22 He wandered through the station, then, as if inside the body of Paul Auster, waiting for Stillman to appear.	n22 Dakle, lutao je stanicom, kao da je u telu Pola Ostera, i čekao da se Stilman pojavi.
n23 He looked up at the vaulted ceiling of the great hall and studied the fresco of constellations.	n23 Podigao je pogled prema nadsvođenoj tavanici velikog hola i proučavao islikane konstelacije.
n24 There were light bulbs representing the stars and line drawings of the celestial figures.	n24 Bile su tu sijalice koje su predstavljale zvezde i linije koje su označavale nebeska tela.
n25 Quinn had never been able to grasp the connection between the constellations and their names.	n25 Kvin nikada nije uspeo da dokuči vezu između konstelacija i njihovih imena.
n26 As a boy he had spent many hours under the night sky trying to tally the clusters of pinprick lights with the shapes of bears, bulls, archers, and water carriers.	n26 Kao dečak proveo je mnoge sate pod noćnim nebom u pokušajima da uobliči sićušne svetlucave grozdove u oblike medveda, bikova, strelaca, i vodolija
n27 But nothing had ever come of it, and he had felt stupid, as though there were a blind spot in the center of his brain.	n27 Ali, od toga nikad ništa nije bivalo, i on je mislio da je glup, kao da mu je usred mozga postojala neka šupljina.
n28 He wondered if the young Auster had been any better at it than he was.	n28 Pitao se da li je mladi Oster bio iole bolji u tome od njega.
n29 Across the way, occupying the greater part of the station's east wall, was the Kodak display photograph, with its bright, unearthly colors.	n29 Preko puta, zauzimajući najveći deo istočnog staničnog zida, nalazila se Kodakova reklamna fotografija svetlih, nadzemaljskih boja.
n30 The scene that month showed a street in some New England fishing village, perhaps Nantucket.	n30 Scena za taj mesec prikazivala je jednu ulicu u nekom ribarskom mestu u Novoj Engleskoj, možda u Nantaketu.
n31 A beautiful spring light shone on the cobblestones, flowers of many colors stood in window boxes along the house fronts, and far down at the end of the street was the ocean, with its white waves and blue, blue water.	n31 Lepo prolećno svetlo sijalo je po šljunku, šareno cveće stajalo je u prozorima kuća, a daleko, u dnu ulice, nalazio se okean sa svojim belim talasima i plavom, plavom vodom.
n32 Quinn remembered visiting Nantucket with his wife long ago, in her first month of pregnancy, when his son was no more than a tiny almond in her belly.	n32 Kvin se setio kako je jednom davno posetio Nantaket sa svojom ženom, kada je bila u prvom mesecu trudnoće, kada njegov sin nije bio ništa više do maleni badem u njenom stomaku.

#### Nastavni fokusi

Različiti setovi gramatičkih, leksičkih, sintaksičkih ili kombinovanih ciljnih područja u nastavi stranog jezika

### Korpusni paketi

Finalno obrađeni i uobličeni segmenti elektronskog korpusa koji se plasiraju u nastavni proces

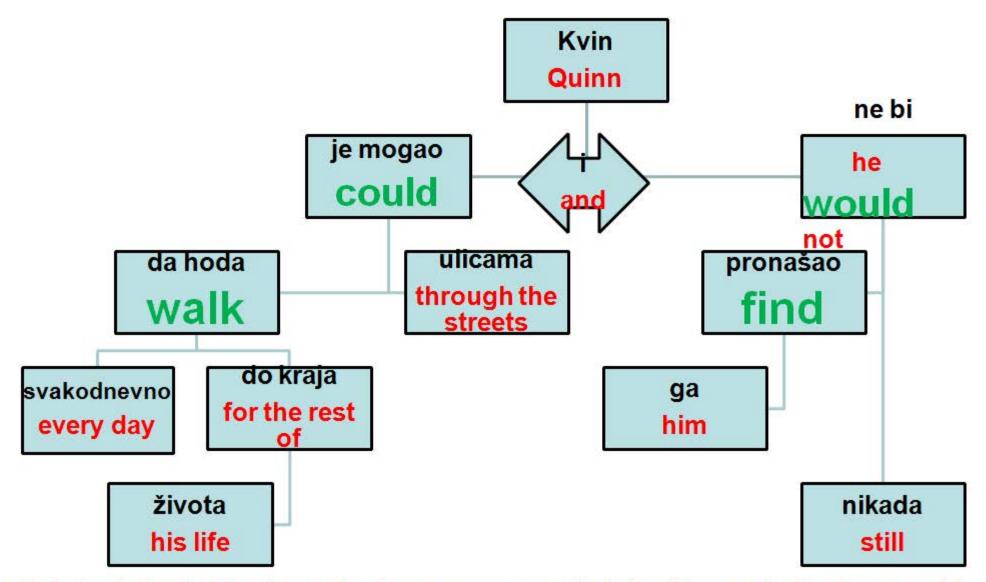
### Tragovi aktivnosti učenika-korisnika korpusa

➤ Elektronski i klasični unutarkorpusni ili korpusno zasnovani tragovi

### Distraktori u učenju i usvajanju ciljnog stranog jezika

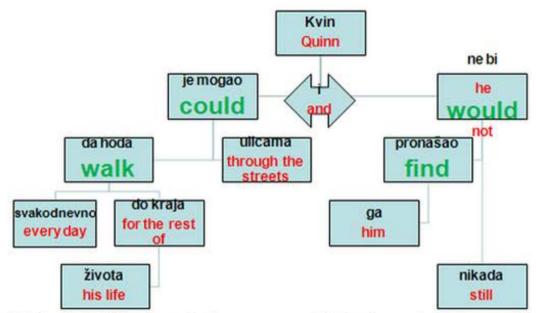
➤ Manifestovani ometajući faktori ili neregularnosti unutar traga aktivnosti učenikakorisnika korpusa





Kvin je do kraja života, svakodnevno, mogao da luta ulicama, i nikada ga ne bi pronašao.

Quinn COUID Walk through the streets every day for the rest of his life, and still he WOUID not find him.



Kvin je do kraja života, svakodnevno, mogao da luta ulicama, i nikada ga ne bi pronašao.

Quinn Could walk through the streets everyday for the rest of his life, and still he would not find him.



Konjić je mogao da peva po drveću svakodnevno do kraja života, i ne bi sakupio za hleb.

Little horse Could sing on trees every day for the rest of his life, and he would not collect for bread. Lazar Makelmovic 6;

ACIDE - Paul Auster - Ghosts(2015-0 💠	
it was in the ice, like someone on the other side of a thick window, and saw that it was his father.	zapečačeno u ledu, nalik na nekog s druge strane prozora od debelog stakla, i shvatio da je reć o njegovom ocu.
n340 (d1p39s12): The dead man was still young, even younger than his son was now, and there was something awesome about it, Blue felt, something so odd and terrible about being older than your own father, that he actually had to fight back tears as he read the article.	n340 (d1p39s12): Pokojnik je bio još uvek mlad čovek, čak i mlađi no što je sada bio njegov sin, i u tome je bilo nečeg jezovitog, osećao je Blu, bilo je nečeg tako čudnovatog i strašnog u činjenici da je neko postao stariji od svog oca, da se Blu dok je čitao taj članak s mukom suzdržavao da ne zaplače.
n341 (d1p39s13): Now, as he nears the end of the bridge, these same feelings come back to him, and he wishes to God that his father could be there, walking over the river and telling him stories.	n341 (d1p39s13): Sada, dok se približava kraju mosta, vraćaju mu se ta ista osećanja, i silno bi voleo da je tu i njegov otac, da s njim prelazi reku i priča mu priče.
n342 (dlp39s14): Then, suddenly aware of what his mind is doing, he wonders why he has turned so sentimental, why all these thoughts keep coming to him, when for so many years they have never even occurred to him.	n342 (d1p39s14): Sledećeg trenutka, iznenadno postavši svestan šta to čini njegov um, on se pita zbog čega je postao tako sentimentalan, zbog čega mu se vraćaju sve te misli, kada mu za sve ove godine nijednom nisu sinule u svesti.
n343 (d1p39s15): It's all part of it, he thinks, embarrassed at himself for being like this.	n343 (d1p39s15): Sve je to deo ovoga, razmišlja on, postiđen pred samim sobom što je postao takav.
n344 (dlp39s16): That's what happens when you have no one to talk to.	n344 (d1p39s16): Eto šta se događa kad čovek nema s kim da razgovara.
n345 (dlp40s1): He comes to the end and sees that he was wrong about Black.	n345 (dlp40sl): Tako dolazi do kraja i uviđa da je pogrešio što se Bleka tiče.
n346 (d1p40s2): There will be no suicides today, no jumping from bridges, no leaps into the unknown.	n346 (d1p40s2): Danas neće biti samoubistava, skakanja s mosta, letenja u nepoznato.
n347 (dlp40s3): For there goes his man, as blithe and unperturbed as anyone can be, descending the stairs of the walkway and traveling along the street that curves around City Hall, then moving north along Centre Street past the courthouse and other municipal buildings, never once slackening his pace, continuing on through Chinatown and beyond.	The state of the s
n348 (dlp40s4): These divagations last several hours, and at no point does Blue have the sense that Black is walking to any purpose.	n348 (d1p40s4): Ovo tumaranje traje nekoliko sati, i nijednog trena Blu nema utisak da Blek hoda bilo s kakvim ciljem.
n349 (dlp40s5): He seems rather to be airing his lungs, walking for the pure pleasure of walking, and as the journey goes on Blue confesses to himself for the first time that he is developing a certain fondness for Black.	n349 (dlp40s5): Pre će biti da provetrava pluća, da šeta zarad pukog zadovoljstva šetanja, i dok se putovanje nastavlja, Blu prvi put priznaje sebi da Blek nekako počinje da mu se dopada.
n350 (dlp41s1): At one point Black enters a bookstore and Blue follows him in.	n350 (dlp41s1): U jednom trenutku, Blek ulazi u knjižaru, i Blu kreće za njim.
× Тражи: suddenly aware 🕹 Следећа 👚 Претходна 👂 Истакни све 🔲 Разликуј мала и велика слова	

City of Glass, Chapter 11

Grad od Stakla, Poglavlje 11

City of Glass, Chapter 11

Časovnik je pokazivao da je skoro šest sati. Kvin je otišao kući istim putem kojim je došao, i od svakog novog bloka išao je sve dužim korakom. Do trenutka kad je ušao u svoju ulicu, već je bio prešao u trk. Danas je drugi jun, reče on sebi.

His watch read nearly six. Quinn walked home the way he had come, lengthening his strides with each new block. By the time he came to his street, he was running. It's June second, he told himself.

Časovnik je pokazivao da je skoro šest sati. Bilo je vreme za crtane filmove i grickalice. Kvin je otišao kući istim putem kojim je došao, i od svakog novog bloka išao je sve dužim korakom. Oposum ga je upomo pratio. Do trenutka kad je ušao u svoju ulicu, već je bio prešao u trk. Oposum je učinio isto. Danas je drugi jun, reče on sebi. Zato je ovako toplo.

His watch read nearly six. It was time for cartoons and snacks. Quinn walked home the way he had come, lengthening his strides with each new block The possum was following him persistently. By the time he came to his street, he was running. So did the possum. It's June second, he told himself. That's why it's so warm.

## Metode eksploatacije paralelnog korpusa u nastavi stranog jezika

- ➤ Sve aktivnosti zasnovane na korpusnim paketima mogu se sprovoditi pojedinačno, u paru, grupno ili frontalno
- Sve aktivnosti mogu se odvijati unutar mreže računara, pomoću jednog računara, ili bez računara
- ➤ Po vrsti zahvata u korpusni materijal, aktivnosti mogu biti tekstualno-rekonstruktivne, intertekstulno-transformativne, jednokratne i reaktivne



## Praćenje lanca deformacija

- Niz uzastopnih cirkularnih prevođenja i praćenje deformacija
- Deformacije bilo koji stepen odstupanja od originalne dvojezične korpusne deonice
- Analiza, upoređivanje i klasifikovanje strukturnih svojstava svake zapažene deformacije

## Početni tekstualni dual

(Nisam mogao da savijem u kolenu – od kolena do članka beše ukrućena, a lista nije bilo.)

My knee did not bend and the leg dropped straight from the knee to the ankle without a calf.

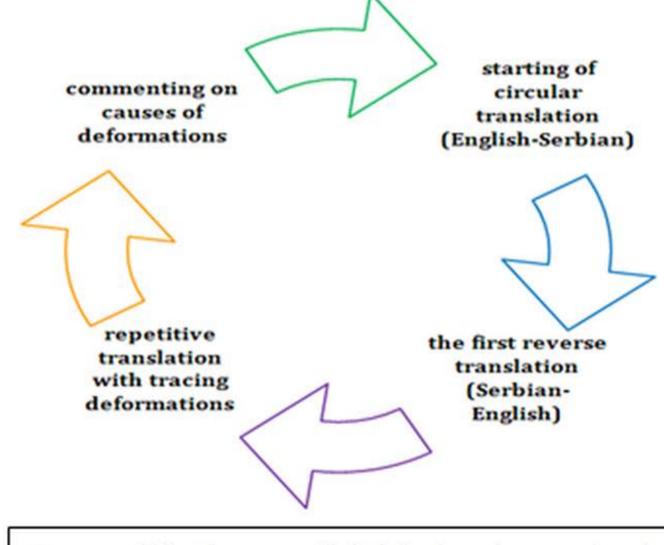
Moje koleno nije se savilo i noga mi <u>pade</u> ispravljena od kolena do gležnja <u>bez</u> <u>teleta.</u>

My knee did not bend and my leg fell right from knee to joint without a calf.

Moje koleno nije se savilo, i noga mi je pala pravo od kolena do zgoba bez teleta.

My knee did not bend and my leg fell straight from my knee to my ankle without calf.

Moje koleno nije se savilo i noga mi je pala u pravcu od kolena do gležnja bez teleta.



Prevodilačko-analitički eksploatacioni ciklus

## Izrada paralelizovanih gramatikograma klasifikovanjem tekstualnih duala

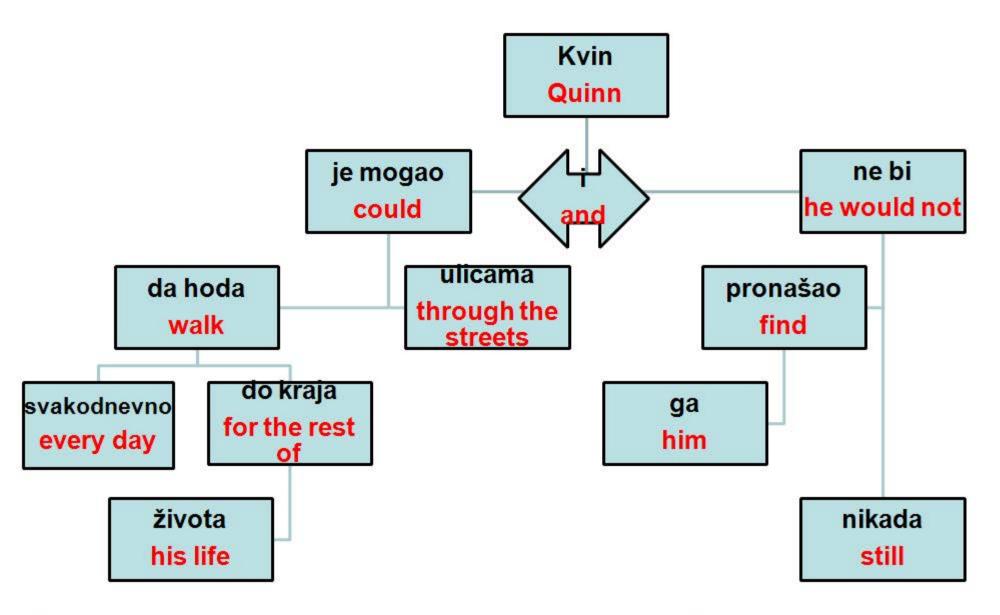
- Binarna segmentacija duala različitog stepena kompleksnosti
- ➤ Paralelizovani gramatikogrami tri tipa:
- ☐ Tabelarni prikazi diskretnih jezičkih elemenata, sa grupisanjem po vrstama reči
- ☐ Granski prikaz duala sa naglašavanjem odnosa zavisnosti elemenata
- ☐ Sistem "paralelnih kutija" sa prikazom hijerarhije elemenata



Nouns, pronouns	Adjectives	Verbs	Prepositions
otac – father grifon – griffon lavica – lioness brkove – whiskers lavova – lions grad – city oni – they dijalektu - dialect	tvoj – your zla, zlih – wicked takav – such svom – their Afričkom – African lavovskom - lion	je bio – was reče – said oblizujući – licking lažeš – you are a liar ne postoji – there is no su režali – roared brundali - growled	na – in of - od

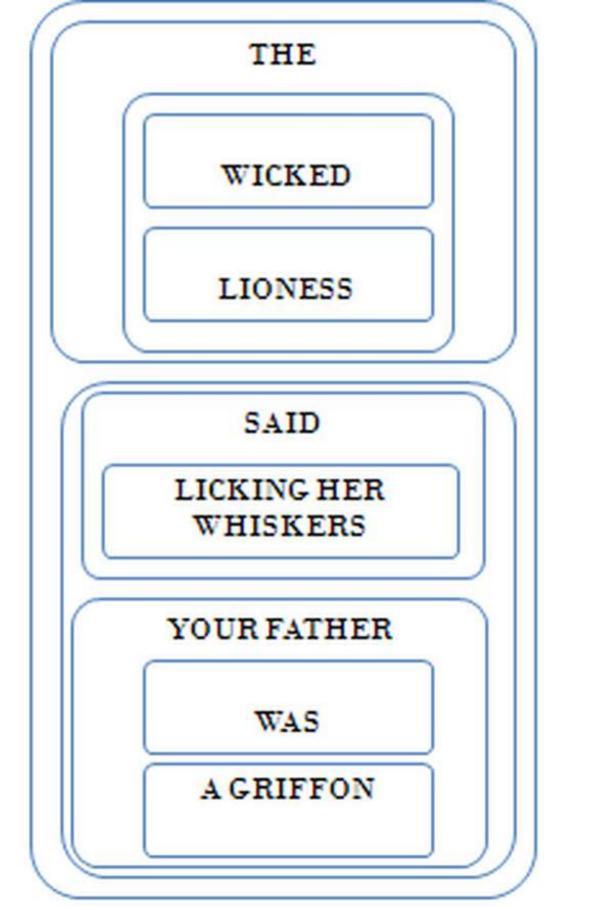
<sup>&</sup>quot;Tvoj otac je bio grifon", reče zla lavica, oblizujući brkove. "Lažeš", reče jedan od zlih lavova. "Takav grad ne postoji". Oni su režali i brundali na svom afričkom lavovskom dijalektu.

<sup>&</sup>quot;Your father was a griffon", the wicked lioness said, licking her whiskers. "You are a liar", one of the wicked lions said. "There is no such city". They all roared and growled in their African lion dialect.



Kvin je do kraja života, svakodnevno, mogao da luta ulicama, i nikada ga ne bi pronašao.

Quinn could walk through the streets every day for the rest of his life, and still he would not find him.





# Kreativne digresije -varijacije unutar dvojezičnog uzorka-

- > Pravac i intenzitet prostiranja varijacija je proizvoljan
- Paralelno intertekstualno umetanje
- > Paralelno intertlinearno umetanje
- ➤ Ciljane redukcije



#### "Svetlost sveta"

Kad nas je ugledao krčmar podiže pogled, <u>uzbuđeno mahnu repom</u>, pa posegnu za staklenim poklopcima i njima prekri dve činije sa besplatnim mezetom.

### "U drugoj zemlji"

Mršavi lekar je prišao aparatu za kojim sam sedeo i rekao: "Šta vam je pre rata bilo najdraže, <u>bucko</u>?"

"Bregovi kao beli slonovi" "Nikad nisam video belog slona, <u>ili</u> <u>pristojnog jazavca.</u>" Muškarac je ispijao pivo.

#### "The light of the world"

When he saw us come in the door the bartender looked up, wagged his tail excitedly, and then reached ove and put the glass covers on the two free lunch bowls.

#### "In another country"

Thin doctor came up to the machine where I was sitting and said: "What did you like the best to do before the war, chubby?"

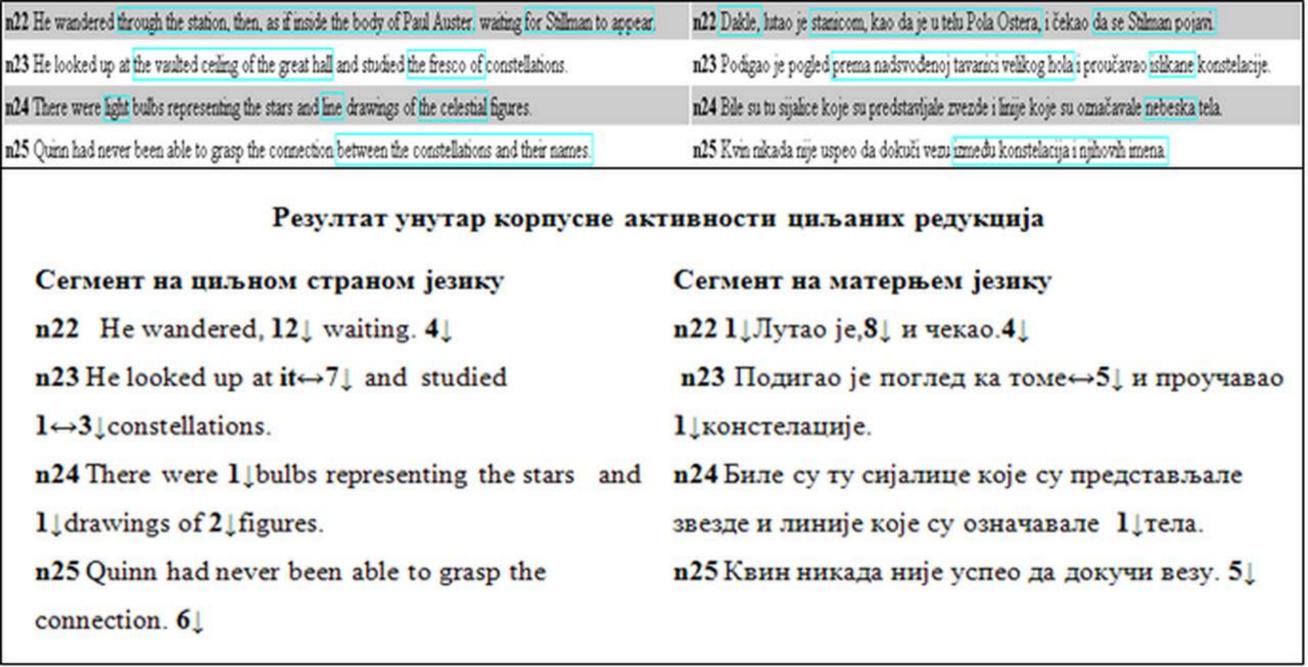
"Hills like white elephants"

"I've never seen a white elephant, or a decent badger." The man drank his beer.

Casovnik je pokazivao da je skoro šest sati. Bilo je vreme za crtane filmove i grickalice. Kvin je otišao kući istim putem kojim je došao, i od svakog novog bloka išao je sve dužim korakom. Oposum ga je uporno pratio. Do trenutka kad je ušao u svoju ulicu, već je bio prešao u trk. Oposum je učinio isto. Danas je drugi jun, reče on sebi. Zato je ovako toplo.

His watch read nearly six. It was time for cartoons and snacks. Quinn walked home the way he had come, lengthening his strides with each new block The possum was following him persistently. By the time he came to his street, he was running. So did the possum. It's June second, he told himself. That's why it's so warm.

ACIDE - Paul Auster - City of-Glass (0 +	
n19 He had not really lost himself; he was merely pretending, and he could return to being Quinn whenever he wished.	n19 Sebe nije zapravo izgubio; samo se pretvarao, i mogao je ponovo da bude Kvin, kad god poželi.
n20 The fact that there was now a purpose to his being Paul Auster-a purpose that was becoming more and more important to him-served as a kind of moral justification for the charade and absolved him of having to defend his lie.	n20 Činjenica da je to što je bio Pol Oster imalo svrhu - svrhu koja mu je sve više i više postajala važna - služila je kao neka vrsta moralnog opravdanja za ludiranje i razrešavala ga obaveze da brani sopstvenu laž.
n21 For imagining himself as Auster had become synonymous in his mind with doing good in the world.	n21 Jer zamišljati sebe kao Ostera, za njegov um postalo je isto što i činiti dobra dela na ovome svetu.
n22 He wandered through the station, then, as if inside the body of Paul Auster, waiting for Stillman to appear.	n22 Dakle, lutao je stanicom, kao da je u telu Pola Ostera, i čekao da se Stilman pojavi.
n23 He looked up at the vaulted ceiling of the great hall and studied the fresco of constellations.	n23 Podigao je pogled prema nadsvođenoj tavanici velikog hola i proučavao islikane konstelacije.
n24 There were light bulbs representing the stars and line drawings of the celestial figures.	n24 Bile su tu sijalice koje su predstavljale zvezde i linije koje su označavale nebeska tela.
n25 Quinn had never been able to grasp the connection between the constellations and their names.	n25 Kvin nikada nije uspeo da dokuči vezu između konstelacija i njihovih imena.
n26 As a boy he had spent many hours under the night sky trying to tally the clusters of pinprick lights with the shapes of bears, bulls, archers, and water carriers.	n26 Kao dečak proveo je mnoge sate pod noćnim nebom u pokušajima da uobliči sićušne svetlucave grozdove u oblike medveda, bikova, strelaca, i vodolija.
n27 But nothing had ever come of it, and he had felt stupid, as though there were a blind spot in the center of his brain.	n27 Ali, od toga nikad ništa nije bivalo, i on je mislio da je glup, kao da mu je usred mozga postojala neka šupljina.
n28 He wondered if the young Auster had been any better at it than he was.	n28 Pitao se da li je mladi Oster bio iole bolji u tome od njega.
n29 Across the way, occupying the greater part of the station's east wall, was the Kodak display photograph, with its bright, unearthly colors.	n29 Preko puta, zauzimajući najveći deo istočnog staničnog zida, nalazila se Kodakova reklamna fotografija svetlih, nadzemaljskih boja.
n30 The scene that month showed a street in some New England fishing village, perhaps Nantucket.	n30 Scena za taj mesec prikazivala je jednu ulicu u nekom ribarskom mestu u Novoj Engleskoj, možda u Nantaketu.
n31 A beautiful spring light shone on the cobblestones, flowers of many colors stood in window boxes along the house fronts, and far down at the end of the street was the ocean, with its white waves and blue, blue water.	n31 Lepo prolećno svetlo sijalo je po šljunku, šareno cveće stajalo je u prozorima kuća, a daleko, u dnu ulice, nalazio se okean sa svojim belim talasima i plavom, plavom vodom.
n32 Quinn remembered visiting Nantucket with his wife long ago, in her first month of pregnancy, when his son was no more than a tiny almond in her belly.	n32 Kvin se setio kako je jednom davno posetio Nantaket sa svojom ženom, kada je bila u prvom mesecu trudnoće, kada njegov sin nije bio ništa više do maleni badem u njenom stomaku.



## Rekonstrukcija sistema interpunkcije unutar paralelnih morfoloških masa

- Uzastopno raščlanjavanje i kategorizacija u okviru paralelnog korpusnog uzorka
- U fokusu je sintaksa ciljnog stranog jezika



## City of Glass, Chapter 12 Ivebeenlivinghereforamonthshesaid *Itsmyapartmentlsignedayearslease* ButwhydolhavethekeyQuinn

askedfortheseventhoreighth

timeDoesntthatconvinceyou Therearehundredsofwaysyoucould rentinmonths That smeshouted

havegotthatkeyDidn'ttheytell youtherewassomeonelivinghere whenyourentedtheplaceThey saiditwasawriterButhe disappearedhadntpaidhis

QuinnImthewriter

ključupitaKvinsedmiiliosmiputZar vamtonijedovoljnapotvrdaDotog ključastemoglidoćinastonačinaZar vamkadsteiznajmilistannisureklida ovdenekoživiReklisudajetubioneki pisacAlionjenestaomesecimanije plaćaozakupninuTosamjauzviknu KvinJasamtajpisac

Grad od stakla, Poglavlje 12

Jaovdeživimmesecdanarečeona

Ovojemojstan Potpisala samugovorna

godinudanaAzaštoondajaimam

## City of Glass, Chapter 12

- "I've been living here for a month," she said.
- "It's my apartment.

I signed a year's lease."

- "But why do I have the key?" Quinn asked for the seventh or eighth time.
- "Doesn't that convince you?"
- "There are hundreds of ways you could have got that key."
- "Didn't they tell you there was someone living here when you rented the place?"
- "They said it was a writer.
- But he disappeared, hadn't paid his rent in months."
- "That's me!" shouted Quinn.
- "I'm the writer!"

### Grad od stakla, Poglavlje 12

- "Ja ovde živim mesec dana", reče ona.
- "Ovo je moj stan.
- "Potpisala sam ugovor na godinu dana."
- "A zašto onda ja imam ključ?" upita Kvin sedmi ili osmi put.
- "Zar vam to nije dovoljna potvrda?"
- "Do tog ključa ste mogli doći na sto načina."
- "Zar vam, kad ste iznajmili stan, nisu rekli da ovde neko živi?"
- "Rekli su da je tu bio neki pisac.
- Ali on je nestao, mesecima nije plaćao zakupninu."
- "To sam ja!" uzviknu Kvin.
- "Ja sam taj pisac!"

### Test kratkoročne memorije

- Regeneracija dvojezičnih korpusnih uzoraka, angažovanjem kratkoročne memorije učenika
- Dopunjavanje na nivou slogova ili celih reči

#### Starac na mostu

#### Old man at the bridge

- Neki starac s naočarima metalnih okvira i u jako prašnjavoj odeći sedeo je kraj druma.
- Preko reke je bio razapet pontonski most preko kog su prelazila kola, kamioni, ljudi, žene i deca.
- Kola u koja su bile upregnute mazge poskakivala su po strmoj obali mosta a vojnici su pomagali gurajući paoke točkova.
- Kamioni su brektali na čelu kolone, a seljaci su se s mukom probijali kroz prašinu do članaka.
- Ali starac je nepomično sedeo. Bio je isuviše iznuren da bi išao dalje.

An old man with \_\_\_\_\_ rimmed spec\_\_\_\_ and very dusty clothes sat by the side of the road.

There was a pon\_\_\_\_ bridge across the river and \_\_\_\_, trucks, and men, women and children were crossing it.

The \_\_\_\_-driven carts st \_\_\_\_ed up the steep bank from the bridge with \_\_\_\_ers helping push against the \_\_\_\_ of the wh\_\_\_\_

The trucks ground up and away heading out of it all and the pea\_\_\_\_\_ p \_\_\_\_ d along in the ankle deep dust.

But the old man sat there without moving.

He was too tired to go any f\_\_\_\_\_r.

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#### Old man at the bridge

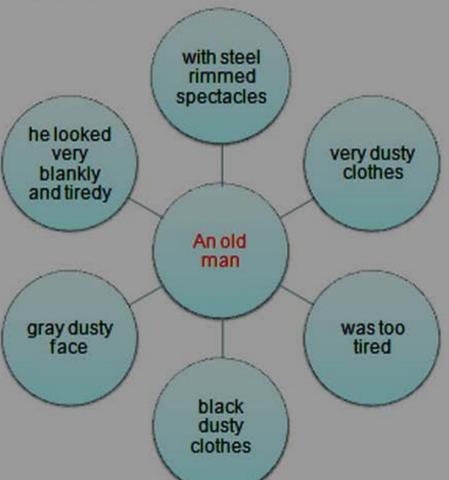
- An old man with steel rimmed spectacles and very dusty clothes sat by the side of the road.
- There was a pontoon bridge across the river and carts, trucks, and men, women and children were crossing it.
- The mule-driven carts staggered up the steep bank from the bridge with soldiers helping push against the spokes of the wheels.
- The trucks ground up and away heading out of it all and the peasants plodded along in the ankle deep dust.
- But the old man sat there without moving.
- He was too tired to go any further.

# Dualna jezgra sa ekspanzijama - strukturna dogradnja fragmenata-

- Paralelno nadovezivanje na određenu reč ili frazu
- Nadovezivanje se vrši dvojezično, simultano ili sukcesivno



"Старац крај моста", "Old man at the bridge"



"Старац крај моста", "Old man at the bridge"



#### Brzi narativ sa diskontinualnim preključivanjem koda

- Binarna pretraga na nivou celog korpusa
- > Nadovezivanje segmenata uz naizmenično kodno preključivanje
- Trag učeničke aktivnosti može se tretirati kao novi književni segment
- Kodno pomeranje:
- □ ka maternjem jeziku
- ☐ ka ciljnom stranom jeziku

Bilo je kasno i svi su otišli iz kafane<sub>1</sub> and the chestnuts were warm afterwards in your pocket.2, Šta ćemo popiti?", upita devojka.3 Stillman's behavior had been too obscure to give any hints.4 Ovo je ražestilo sve zle lavove,5 and it threw him off track.6 "Ovo mora da se otkuva", reče i poče da trlja ruke u lavoru vrele vode komadom sapuna koji je doneo iz logora.7 The woman paused, took a deep breath, and then paused again, as if rehearsing in her mind the things she was about to say.8 Kvin joj nije prilazio, da ne pogorša situaciju.9

Bilo je kasno i svi su otišli iz kafane, a posle je kestenje zagrevalo džep.2 "Šta ćemo popiti?", upita devojka.3 Stilmanovo ponašanje bilo je toliko tajanstvenoda u njemu nije bilo nikakvih nagoveštaja.4 Ovo je ražestilo sve zle lavove,5 i to ga je izbacilo iz koloseka.6 "Ovo mora da se otkuva", reče i poče da trlja ruke u lavoru vrele vode komadom sapuna koji je doneo iz logora.7 Žena je zastala, duboko udahnula vazduh, pa ponovo zastala, kao da se u sebi preslišava šta će reći.8 Kvin joj nije prilazio, da ne pogorša situaciju.9

It was late and everyone had left the cafe, 1 and the chestnuts were warm afterwards in your pocket.2 "What should we drink?", the girl asked.3 Stillman's behavior had been too obscure to give any hints.4 This made the wicked lions very angry,5 and it threw him off track.6 "Those must boil", he said, and began to scrub his hands in the basin of hot water with a cake of soap he had brought from the camp.7 The woman paused, took a deep breath, and then paused again, as if rehearsing in her mind the things she was about to say.8 Quinn held his distance, not wanting to make things worse.9

#### Mreža hiper-veza sa paralelizovanim odredištem

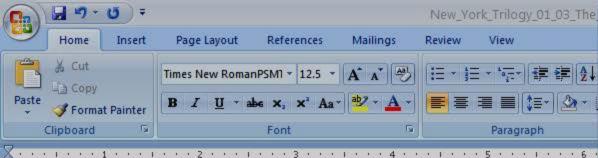
Kombinovani metalingistički i paralelizovani uzorci unutar ciljnog odredišta hiper-veze

Ciljno odredište:

■ Dvojezični korpusni uzorak

☐ Banka konkordanci

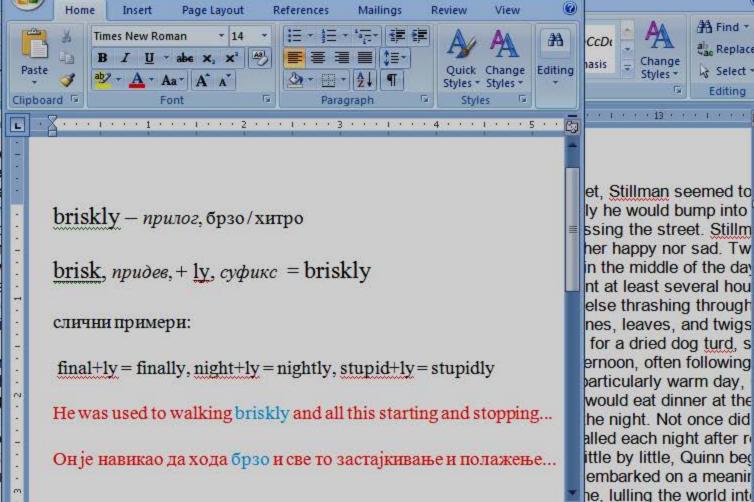




The next morning, and for many mornings to follow, Quinn posted himself the traffic island at Broadway and 99th Street. He would arrive early, never late sit there with a take-out coffee, a buttered roll, and an open newspaper on his la of the hotel. By eight o'clock Stillman would come out, always in his long brown large, oldfashioned carpet bag. For two weeks this routine did not vary. The old through the streets of the neighborhood, advancing slowly, sometimes by the r pausing, moving on again, pausing once more, as though each step had to be it could take its place among the sum total of steps. Moving in this manner was used to walking briskly, and all this starting and stopping and shuffling began t rhythm of his body was being disrupted. He was the hare in pursuit of the tortoi had to remind himself to hold back.

What Stillman did on these walks remained something of a mystery to Quit with his own eyes what happened, and all these things he dutifully recorded in I meaning of these things continued to elude him. Stillman never seemed to be d nor did he seem to know where he was. And yet, as if by conscious design, he circumscribed area, bounded on the north by 110th Street, on the south by 72nd Riverside Park, and on the east by Amsterdam Avenue. No matter how haphaz be—and each day his itinerary was different—Stillman never crossed these both baffled Quinn, for in all other respects Stillman seemed to be aimless.

As he walked, Stillman did not look up. His eyes were permanently fixed or he were searching for something. Indeed, every now and then he would stoop d the ground, and examine it closely, turning it over and over in his hand. It made archeologist inspecting a shard at some prehistoric ruin. Occasionally, after po way, Stillman would toss it back onto the sidewalk. But more often than not he would open his bag und lay the object gently inside it. Then, reaching into one of his coat pockets, he would remove a red notebook—similar to Quinn's but smaller—and write in it with great concentration for a minute or two. Having completed this operation, he would return the notebook to his pocket, pick up his bag, and



₹ City of Glass BRISKLY [Compatibility Mode] - Microsof...

■ 日 □ □ □ 100% (-) cretore nad not taken the trouble to arseover who the particular a certainty, what did it matter? A watcher, once discovered, could all This view of the situation comforted Quinn, and he decided to bell grounds for belief. Either Stillman knew what he was doing or he did

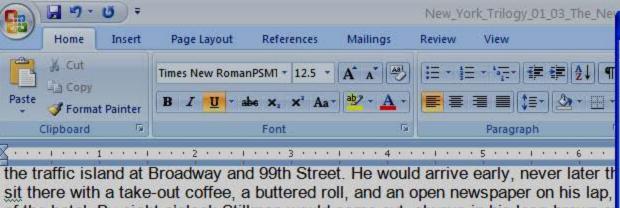
her happy nor sad. Tw in the middle of the day nt at least several hou else thrashing through nes, leaves, and twigs for a dried dog turd, s ernoon, often following particularly warm day, would eat dinner at the he night. Not once did alled each night after re ittle by little, Quinn beg embarked on a meanir he, lulling the world into and Quinn felt that w old man, blending into heasures to keep hims he would be watched-

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As far as Quinn could tell, the objects Stillman collected were valueless. They seemed to be no more

Concordance fact that Stillman took this scavenging seriously intrigued Quinn, but he could notebook." These sentences seemed utterly worthless to him. It was all a 46 himself. He decided to go to bed, slept fitfully, woke up, wrote in the red chivalric hope of solving the case so brilliantly, of removing Peter Stillman 48 removing Peter Stillman from danger so swiftly and irrevocably, that he would Stillman was far more dangerous than previously imagined. Response: that pace, seen what he had seen, and the only thing he felt now was the man's 51 the train of his thoughts, it was the only thought he allowed himself to have. of it was hard going, especially in the early parts. And when he did manage 53 not letters at all. He had seen them only because he had wanted to see TOWER OF BABEL. Quinn's thoughts momentarily flew off to the concluding 55 for Quinn. He was used to walking briskly, and all this starting and 56 hours in Riverside Park, walking methodically along the macadam follow suit. This meant that he was constantly in danger of quickening his 58 being watched, and Quinn felt that was unlikely. He had done his job well so After a time, he decided that it was basically a question of position. He have. For a day or two this tactic was mildly successful, but eventually even 61 he made many mistakes. It was especially difficult to write without if the diagrams did form letters, it was only a fluke. Stillman had nothing to 63 such situations. Or perhaps it was simply that Quinn was beginning to realized, was unacceptable. If he was simply killing time, why had he chosen scholarship written while he was supposedly still sane, and above all 66 gestures, tics, and silences, there was finally a coherence, an order, a source concordance collocates plot patterns clusters timeline Quinn. He was used to walk to some purpose. If this interpretation required knowledge on Stillma :

City of Glass BRISKLY.cnc

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Stillman seemed to he would bump into sing the street. Stillm er happy nor sad. Tw the middle of the day t at least several hou Ise thrashing through es, leaves, and twigs for a dried dog turd, s rnoon, often following articularly warm day, vould eat dinner at the e night. Not once did led each night after re tle by little, Quinn bed mbarked on a meanir e, lulling the world into and Quinn felt that w old man, blending into easures to keep hims he would be watchedver who the particular discovered, could all and he decided to beli was doing or he didi ch better it was to belie

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## Nezavisni metod: Konkordance u nastavi stranih jezika

- Nezavisan od korpusnog uzorka, omogućava pretragu na nivou celog korpusa
- Produkti i prikazi konkordanci se jednostavno obrađuju, modifikuju i skladište po željenim principima
- Kontekstualno podešavanje prikaza
- Statistički pregled jezičkih elemenata u korpusu
- Organizovanje leksičkih vežbi
- Korpusno zasnovani tragovi učeničke aktivnosti



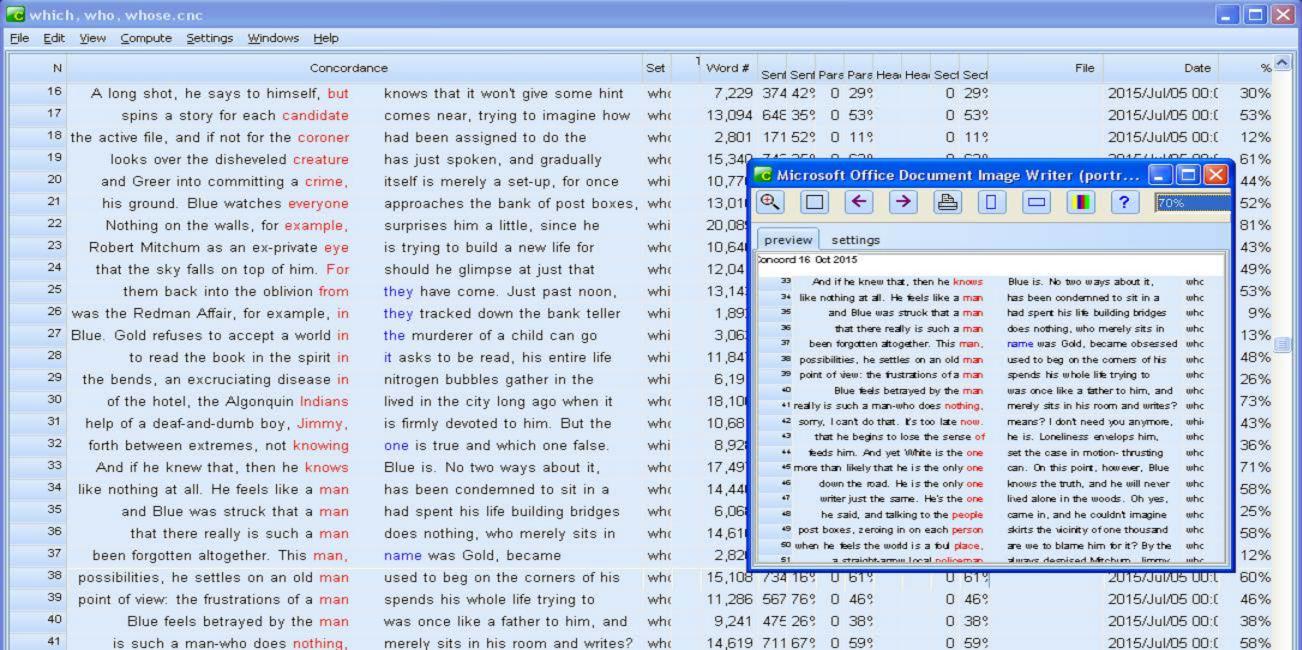
<u>F</u> ile	<u>E</u> dit	<u>View Compute Settings Windows Help</u>							
	N	Concordance	Set	1 Word #	Sent	Sent	Para	Pars	
	1	she walked along the gravel path until she was under their window. The table was there, washed bright green in the rain, but the cat was gone. She was suddenly disappointed. The maid looked up at her. "Ha perduto qualque cosa,		505	48	69%	0	46%	
		broke in a long line in the rain and slipped back down the beach to come up and break again in a long line in the rain. The motor cars were gone from the square by the war monument. Across the square in the doorway of the		166	12	100	0	15%	
		said. "I don't know why I wanted it so much. I wanted that poor kitty. It isn't any fun to be a poor kitty out in the rain." George was reading again. She went over and sat in front of the mirror of the dressing table looking at herself		730	83	100	0	66%	
	4	Signora?" "There was a cat," said the American girl. "A cat? "Si,il gatto.""A cat?" the maid laughed. "A cat in the rain? "Yes," she said, "under the table." "Then, "Oh, I wanted it so much. I wanted a kitty." When she talked English		543	57	10C	0	49%	
	5	Italians came from a long way off to look up at the war monument. It was made of bronze and glistened in the rain. It was raining. The rain dripped from the palm trees. Water stood in pools on the gravel paths. The sea broke		119	8	10C	0	119	
	6	CAT IN THE RAIN There were only two Americans stopping at the hotel. They did not know any of the people they passed on		3	0	279	0	0%	
		rain dripped from the palm trees. Water stood in pools on the gravel paths.  The sea broke in a long line in the rain and slipped back down the beach to come up and break again in a long line in the rain. The motor cars were		147	12	37%	0	13%	
		way off to look up at the war monument. It was made of bronze and glistened in the rain. It was raining. The rain dripped from the palm trees. Water stood in pools on the gravel paths. The sea broke in a long line in the		124	10	38%	0	119	
cor	concordance collocates plot patterns clusters timeline filenames source text notes								
8 ent	entries Row 1 e, washed bright green in the rain, but the cat was gone. Sh								

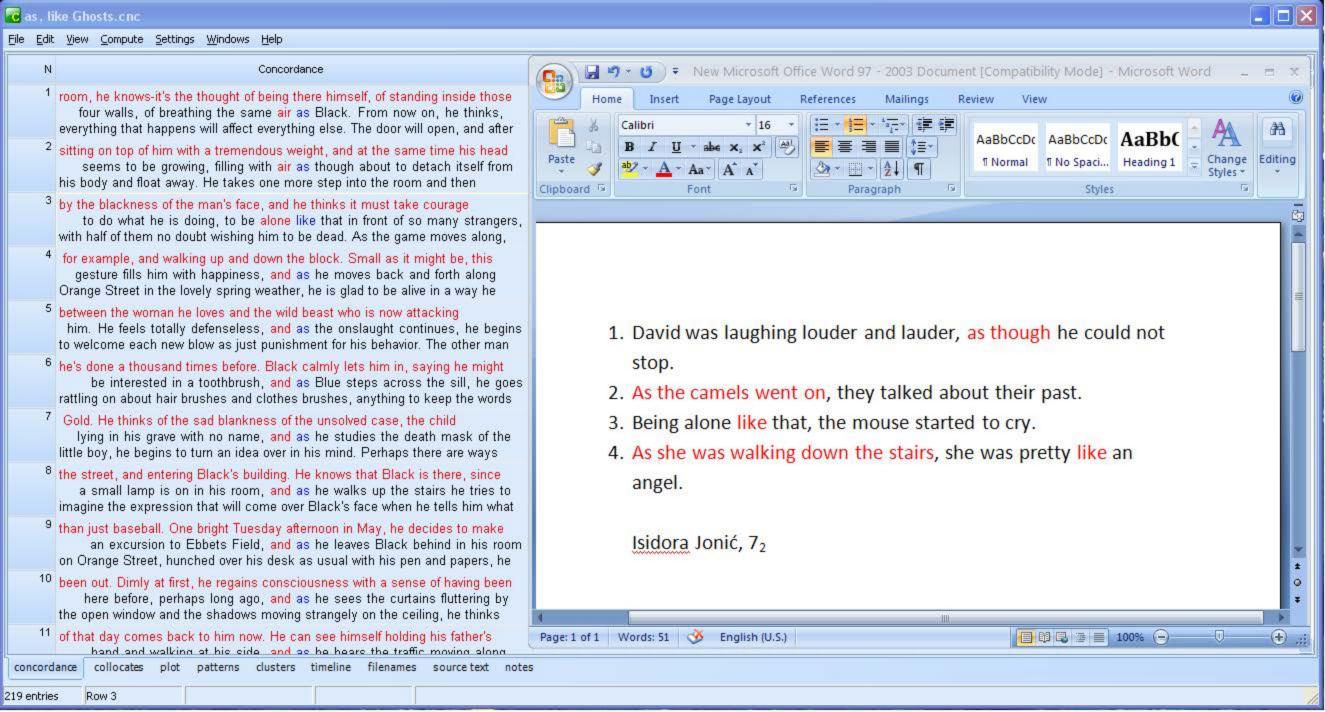
File	<u>E</u> dit	<u>View Compute Settings Windows Help</u>						
	N	Concordance	Set	1 Word #	Sent	Sent F	Pars Pars H	
	1	still he would arrive just as the doors were closing. He emerged from the	wer	3,264	177	95%	0 66%	
	2	soles of his shoes. And yet there he was, walking west on 69th Street,	was	2,450	130	26%	0 50%	
	3	however, was this: in that he was falling, how could he be expected	was	1,682	89	549	0 34%	
	4	was the one he did not doubt: that he was falling. What he did not	was	1,669	88	96%	0 34%	
	5	in months, and he did not wake until it was morning again. His watch said	was	3,181	172	919	0 65%	
	6	the only thing that seemed to matter was going home. He would return to	was	3,897	264	85%	0 79%	
	7	thing he wanted to know was why she was living in his apartment. He took	was	4,461	305	75%	0 919	
	8	explaining again and again that she was living in his house. She clearly did	was	4,557	315	75%	0 92%	
	9	photograph entered the apartment. She was wearing a white nurse's uniform	was	4,366	302	189	0 89%	
	10	into it for protection. Inside, the smell was overpowering, and it would	was	1,184	65	139	0 24%	
	11	truth had finally dawned in him. There was nothing left. "Do you realize what	was	4,818	351	60%	0 98%	
	12	that Quinn understood that they, too, were holing up, waiting inside their	19W	236	15	50%	0 5%	
	13	an insipid- looking girl. She, too, was smiling. Behind them there was a	was	4,242	294	80%	0 86%	
cor	concordance collocates plot patterns clusters timeline filenames source text notes							
13 er	ntries	Row 1 ould arrive just as the do	oors we	ere closing. He	e eme	rged f	rom	



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<u>File Edit View Compute Settings Windows H</u> elp									
N	Concordance	Set	1 Word #	Sent Se	eni Para	Para l			
155	Quinn estimated that this went on for fifteen or twenty minutes. Then,		141	7 6	9% 0	3%			
156	certain confusion. "I'm sorry," he went on, "but I don't remember your name. I		2,144	257 5	0% 0	39%			
157	I have a few ideas. I'll get to work on them right away." "How will I reach		5,324	687 6	79 0	97%			
158	of responsibility on me." "The world on your shoulders." "Yes, so to speak.		881	122 6	79 0	16%			
159	like it very much. Full of mystery, and at the same time quite proper. It suited		2,391	298 5	5% 0	44%			
160	cracks in the egg." "Exactly." "And, at the same time, the origin of Henry		2,972	390 2	79 0	54%			
161	thinking Stillman would appear at any moment. He worked his way		4,369	565 9	19 0	80%			
162	Cafe, and sat down in a corner booth at the back. Quinn, growing bolder		2,000	237 9	29 0	36%			
163	indifference. Stillman smiled brightly at this, leaned toward Quinn, and said		299	24 2	39 0	5%			
164	I have never really been daunted. At present, for example, I am engaged		695	98 1	19 0	13%			
165	It flies off in so many little directions at once." "Yes, I've often noticed that		573	77 9	19 0	10%			
166	an umbrella? In general, people do. At the very limit, they will say the		1,549	190 1	79 0	28%			
167	to think of doing anything else. At the moment she answered, he		5,200	66E 1	79 0	95%			
168	Quinn was in front of the hotel at his usual time. The weather had		4,317	562 8	0% 0	79%			
169	him, you see. I had certain ideas at the time that were too dangerous		2,341	290 43	3% 0	43%			
170	friend of yours?" Stillman laughed, as if at a good joke. "Not exactly," he said.		2,265	275 6	79 0	419			
171	like an egg." "Yes. Very much like." At that moment, a waitress appeared		3,260	435 1	19 0	59%			
172	head toward the old man and looked at him point-blank, stubbornly fixing his		160	8 6	0% 0	3%			
173	bush. Of course," Stillman looked at Quinn's face-a little more carefully		2,123	258 20	09 0	39%			
174	This stare went on for five minutes. At last Stillman turned to him. In a		198	11 2	99 0	4%			
475	Laurin also minda man. The course on as sinks " "Oam Laar also manned" "Oam.		E 00E	רבר חי	20 0	000			
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181 entrie	s Row 143 reat burden of responsib	oility or	me." "The wo	orld on y	our sho				

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	N	Concordance	Set	1 VVord #	Sent 9	Sent P	ars Pars I	
	155	Quinn estimated that this went on for fifteen or twenty minutes.		141	7 1	69%	0 3%	
	156	"I'm sorry," he went on, "but I don't remember your name.		2,144	257	50%	0 39%	
	157	I'll get to <mark>work</mark> on them right away." "		5,324	687 (	679	0 97%	
	158	" "The world on your shoulders." "		881	122 (	679	0 16%	
	159	Full of mystery, and at the same time quite proper.		2,391	298	55%	0 44%	
	160	" "And, at the same time, the origin of Henry		2,972	390	279	0 54%	
	161	thinking Stillman would appear at any moment.		4,369	565	919	0 80%	
	162	Cafe, and sat down in a corner booth at the back.		2,000	237	929	0 36%	
	163	Stillman smiled brightly at this, leaned toward Quinn, and said		299	24	239	0 5%	
	164	At present, for example, I am engaged		695	98	119	0 13%	
	165	It flies off in so many little directions at once." "		573	77	919	0 10%	
	166	At the very limit, they will say the		1,549	19C	179	0 28%	
	167	At the moment she answered, he		5,200	666	179	0 95%	
	168	Quinn was in front of the hotel at his usual time.		4,317	562 (	80%	0 79%	
	169	I had certain ideas at the time that were too dangerous		2,341	290	43%	0 43%	
	170	" Stillman laughed, as if at a good joke. "		2,265	275 (	67%	0 419	
	171	" At that moment, a waitress appeared		3,260	435	119	0 59%	
	172	head toward the old man and looked at him point-blank, stubbornly fixing his		160	8 (	60%	0 3%	
	173	" Stillman looked at Quinn's face-a little more carefully		2,123	258	20%	0 39%	
	174	At last Stillman turned to him.		198	11	29%	0 4%	
4	175	THE COURSE OF COURSE W. O.		7 007	CEC	000	0.000	
5	oncorda	nce collocates plot patterns clusters timeline filenames source text notes	;					
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181	entries	Row 143 reat burden of responsit	ollity o	n me." "The wi	orid on	your	sno	

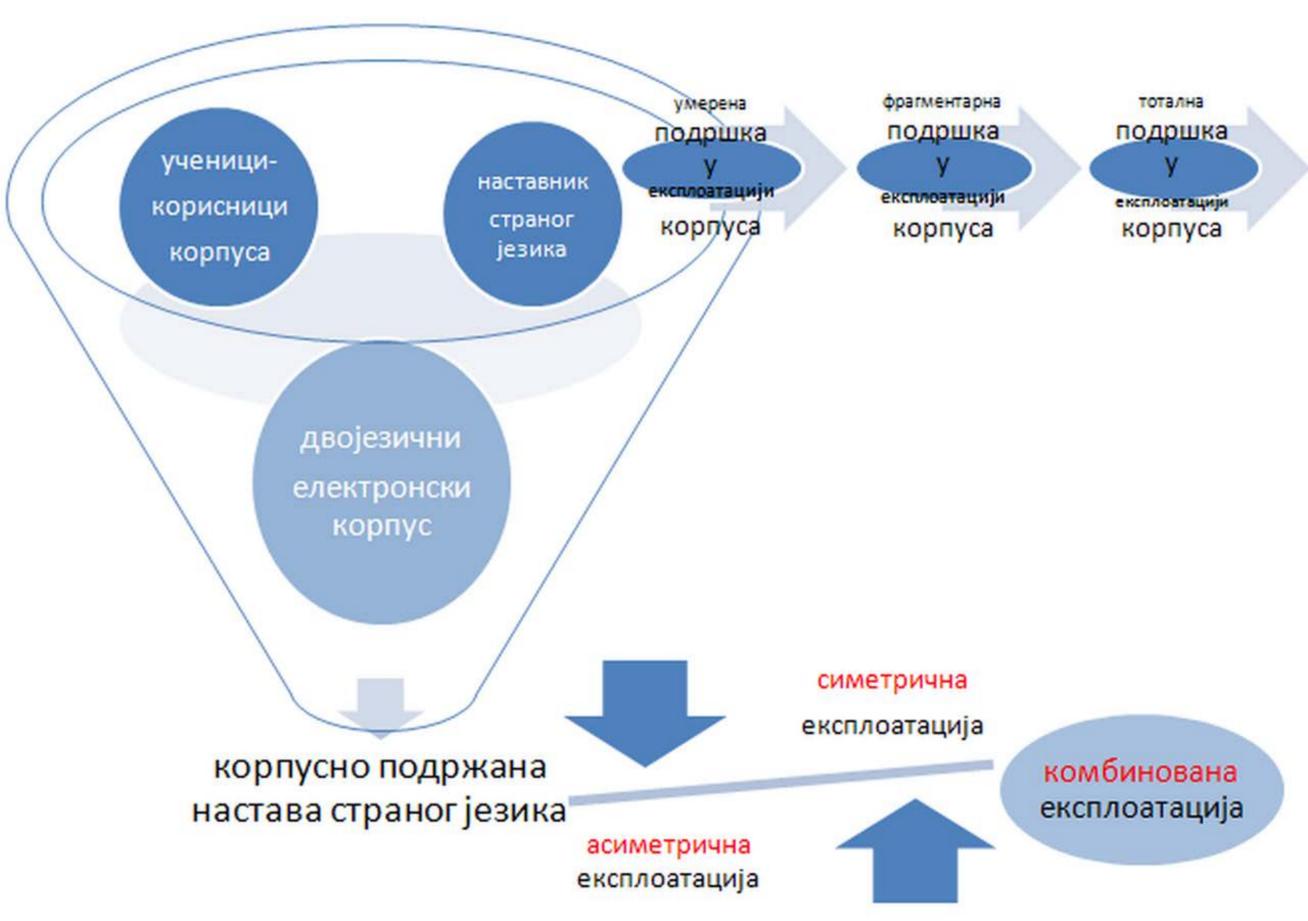




## Šematski profil eksploatacije dvojezičnog elektronskog korpusa u nastavi stranog jezika

- Različiti stepeni podrške korisnicima u eksploataciji korpusa
- Različita zastupljenost maternjeg i ciljnog stranog jezika u korpusnim paketima uključenim u nastavni proces





## Vremenski profil eksploatacije dvojezičnog korpusa u nastavi stranog jezika

- 240 učenika, četiri školske godine 2012/13, 2013/14, 2014/15, 2015/16
- ➤ Peti razred (72 časa) do 10% godišnjeg fonda časova (8 časova)
- ➢ Šesti razred (72 časa) do 20% godišnjeg fonda časova (15 časova)
- ➤ Sedmi razred (72 časa) do 30% godišnjeg fonda časova (24 časa)
- ➤ Osmi razred (68 časova) do 30% godišnjeg fonda časova (23 časa)

# Kvantitativni profil eksploatacije dvojezičnog korpusa u nastavi stranog jezika

- Prikupljeno je 2000 tragova unutarkorpusne i korpusno zasnovane aktivnosti učenika
- Aktiviranje upita za konkordance zabeleženo je 1400 puta
- Okruženje ACIDE upotrebljeno je 700 puta (obrada novih sadržaja, testiranje, analiza jezičkog sadržaja)
- Prikupljeno je 400 tragova korpusno zasnovanih paralelizovanih gramatikograma
- 270 tragova dualna jezgra sa ekspanzijama
- 380 tragova interlinearno i intertekstualno umetanje



### Završna razmišljanja

- ➤ Višejezični korpusi imaju kapacitet da preorijentišu metodički pristup nastavi stranih jezika (prilagodljivost, proširivost, fleksibilnost u nastavnom okruženju)
- ➤ Visok stepen manipulacije ulaznim nastavnim sadržajima na različitim nivoima granularnosti, visoka kontekstualizovanost
- Korpusno zasnovana metodika stranih jezika:
- ☐ Formiranje namenskih višejezičnih korpusa
- ☐ Organizovanje pratećih podkorpusnih resursa (liste i banke konkordanci koje obuhvataju frazni, leksički i gramatički nivo ciljnog stranog jezika)
- ☐ Razvoj metodičkog repertoara eksploatacije korpusa
- ☐ Modifikovanje tradicionalnih uloga nastavnika i učenika