



TOTALNA STANICA

Rad s totalnom stanicom

Školska godina 2017./2018.

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LEA RAZUM, 4.a

Kako napraviti job na totalnoj stanici 1.korak

- ▶ Instrument postavimo na stativ
- ▶ Upalimo instrument
- ▶ Horizontiramo ga

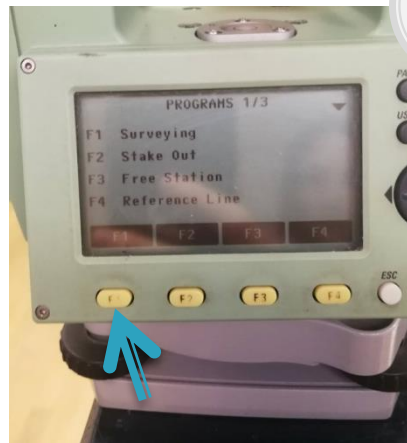
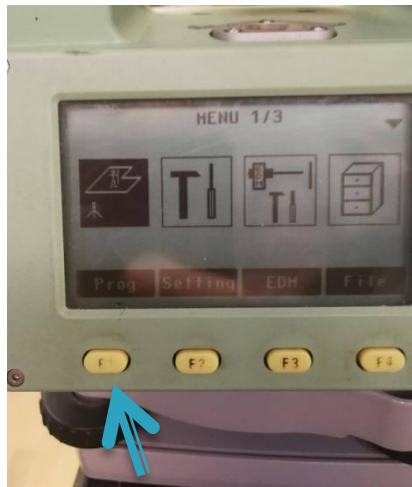


LR
Razum

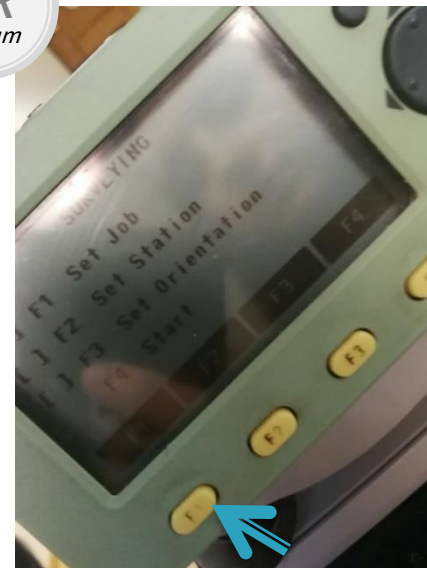


2.korak

- ▶ Menu → Programs → Surveying → Set job



LR
Razum



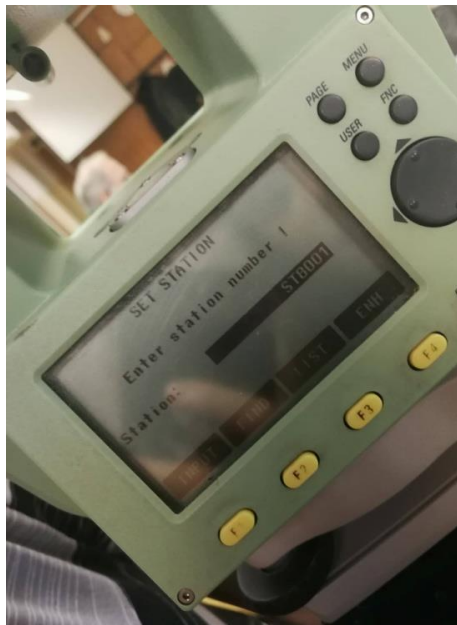
3.korak

- ▶ Nakon što smo stisnuli Set Job, moramo dati ime jobu i upisati operatora



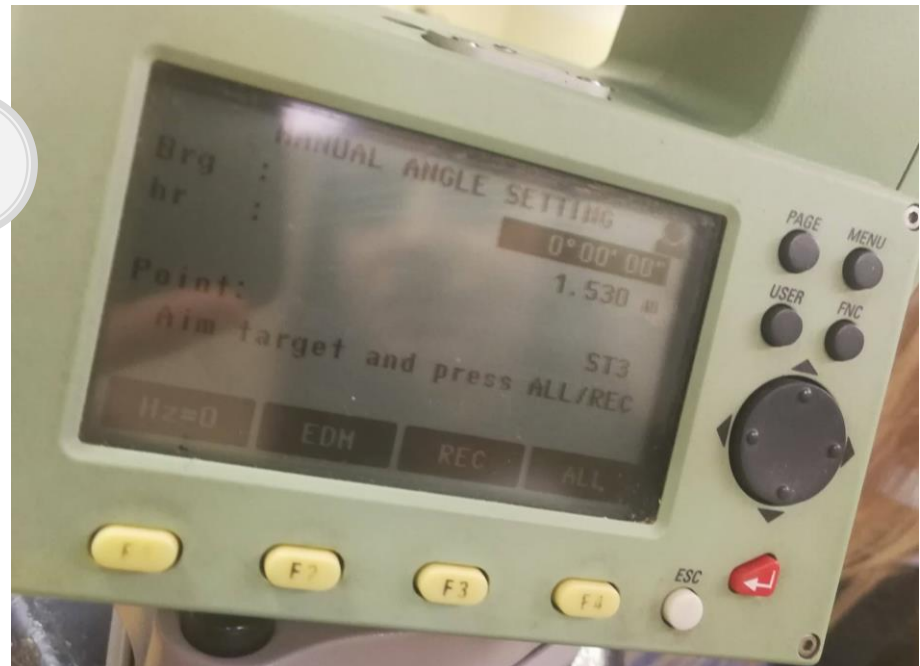
4.korak

- ▶ Napisati koje je stajalište, zatim upisati koordinate stajališta te izmjeriti visinu instrumenta i stisnuti OK



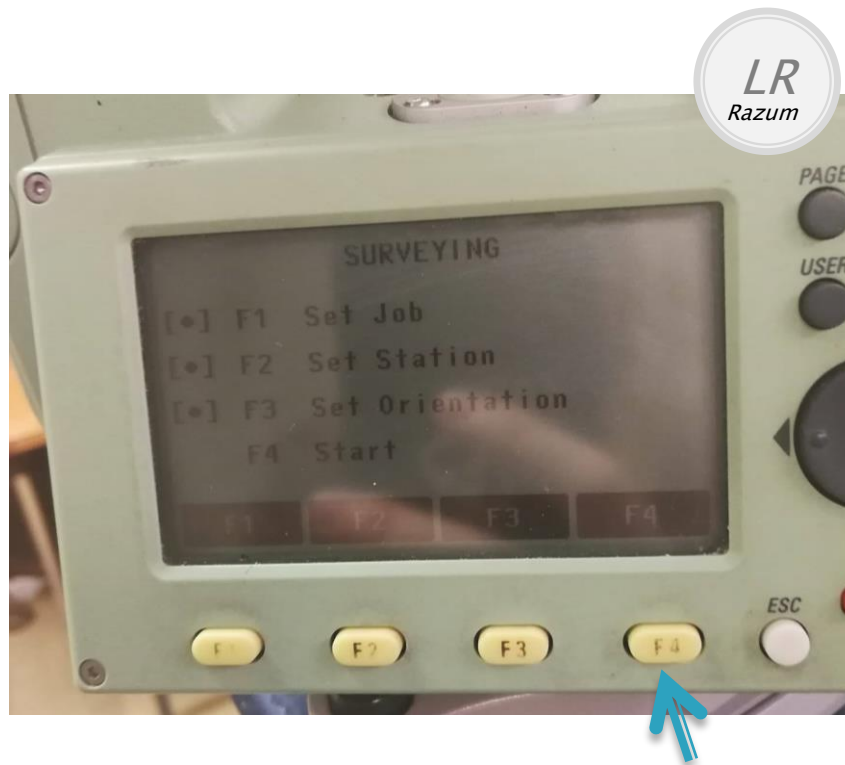
5.korak

- ▶ Nakon stajališta moramo upisati i orijentaciju



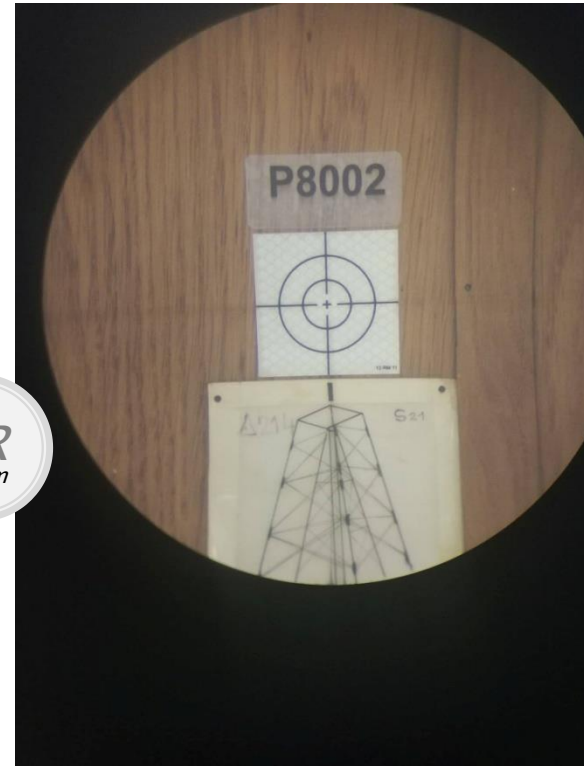
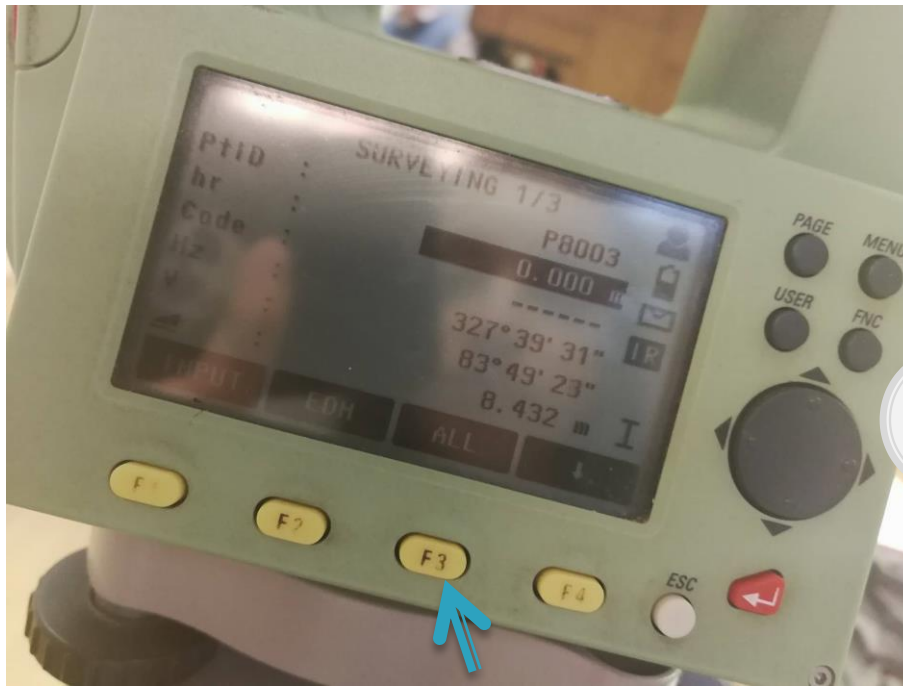
6.korak

- ▶ Kada smo to sve napravili možemo početi mjeriti

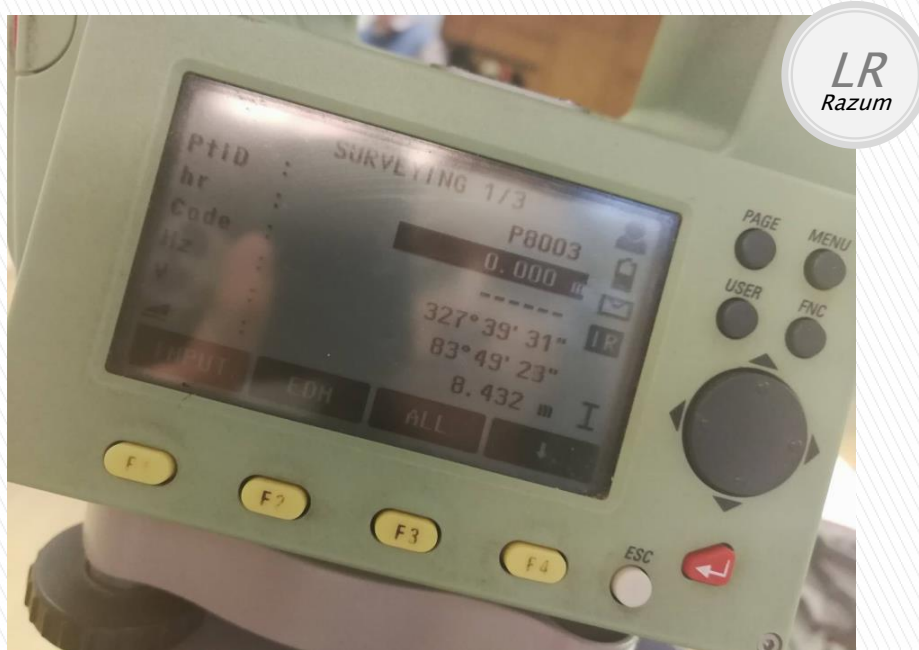


7. Korak

- ▶ Upišemo koju točku viziramo (PtID) te ju naviziramo i stisnemo All



8.korak



- ▶ Nakon što smo izmjerili prvu točku nastavljamo istim postupkom sve do zadnje točke
- ▶ Za računanje koordinata tih točaka “pješice” potrebni su nam horizontalni kut(Hz), horizontalna duljina(d) te koordinate stajališta i orijentacije



Program



	y	x
ST8001	459768.185	5070457.726
ORI P8002	459759.716	5070457.598

P8010
 Hz=90°54'38"
 V=84°04'54"
 d=8.859



$$v_{\text{ori P8002}}^{\text{st8001}} = -8.496 / (-0.128) = 269^{\circ}08'03''$$

$$v_{\text{P8010}}^{\text{st8001}} = v_{\text{ori P8002}}^{\text{st8001}} + \text{Hz} = 00^{\circ}02'41''$$

$$\Delta y_{\text{st8001}} = d * \sin(v_{\text{P8010}}^{\text{st8001}})$$

$$\Delta y = 0.007$$

$$\Delta x_{\text{st8001}} = d * \cos(v_{\text{P8010}}^{\text{st8001}})$$

$$\Delta x = 8.859$$

P8010
 y= 459768.192
 x=5070466.585