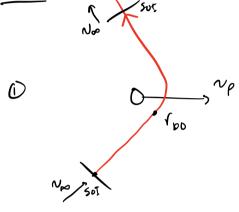
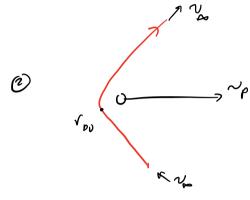


CASE I: LEADING SIDE - BURN OUT FACING PLANET MOTION

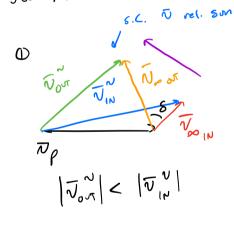
CASE II: TRAILING SIDE - BUILN OUT AWAY FROM PLANET MOTION

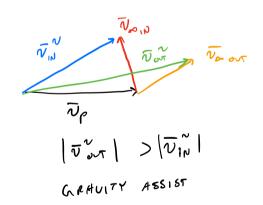




JUST NEED VECTOR DIAGNAMS

RECALL: & = TURN ANGLE





$$\delta \overline{v}^{\nu} = \overline{v}_{ost}^{\nu} - \overline{v}_{in}^{\nu} = \overline{v}_{oost} - \overline{v}_{oin}$$

$$\delta v^{\nu} = 2v_{oo} s_{in} (\frac{\delta}{2}) - 2v_{oo} (\frac{1}{1 + \frac{r_{to} v_{o}^{2}}{M_{\rho}}})$$

S EE SU(PE 37

JECHNUSE TOUT & ITS DIRECTION FOR NEXT MANEULER

EXCESS UELOUITY: No = | Dim - Tp |

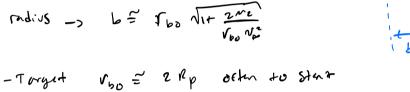
VIII COMES FROM

- Vapoque - from Hohmann, Bi-elliptic

- No - from Lambert

- large No -> large or

Burn out radius -> b= Tbo VIT 2me



ca strek after

- "Designing" is on epilonation problem

Example; mes cont. "Ayby"

set (first) 100 = 2 kmars = (3374 · 2) 16m

 $N_{bo} = \sqrt{\frac{2}{\alpha^2} + \frac{2m_{MAS}}{2r_{on}}} - \frac{2m_{MS}}{r_{SoI}}$ 2.65 KMS 4.306 x10 4 Km3/52 7.78 x105 Km

Un ~ 4.43 Km/s

Next: b= 100 Nbo = 11297 Km

Frally: 8. 28n-1 (1+ Thornes) = 57°

Uill Sc. spred herers ar decresse? 57ide 38

-N2

N2=24.13 Vm - 2.65 N = 21.48

Nort = ? Use can st cos Not2 = 22 + 22 - 222 Vout cs S Non = 22.8 Km/5

B=? use law of shes

 $\frac{5n\beta}{V_{\infty n}} = \frac{5n\beta}{N\omega^*} \rightarrow \beta = 6^{\circ}$

BV ~ - 2 VD SM (\frac{5}{2}) = 2.53 Km/s

