$$t = 0$$
  $N_{OB} = 1 \, \text{m/s}$   $a_{A} = 2 \, \text{m/s}^{2} = \text{cost}$   
 $N_{OB} = 3 \, \text{m/s}$   $a_{B} = 1 \, \text{m/s}^{2} = \text{cost}$   
 $x_{OA} = x_{OB} + 1.5$  (m)

$$\int x_{\Delta}(t) = x_{\Delta} + \sqrt{x_{\Delta}} + \frac{1}{2} a_{\Delta} t^{2}$$

$$\int x_{\Delta}(t) = x_{\Delta} + \sqrt{x_{\Delta}} + \frac{1}{2} a_{\Delta} t^{2}$$

$$\int x_{\Delta}(t) = x_{\Delta} + \sqrt{x_{\Delta}} + \frac{1}{2} a_{\Delta} t^{2}$$

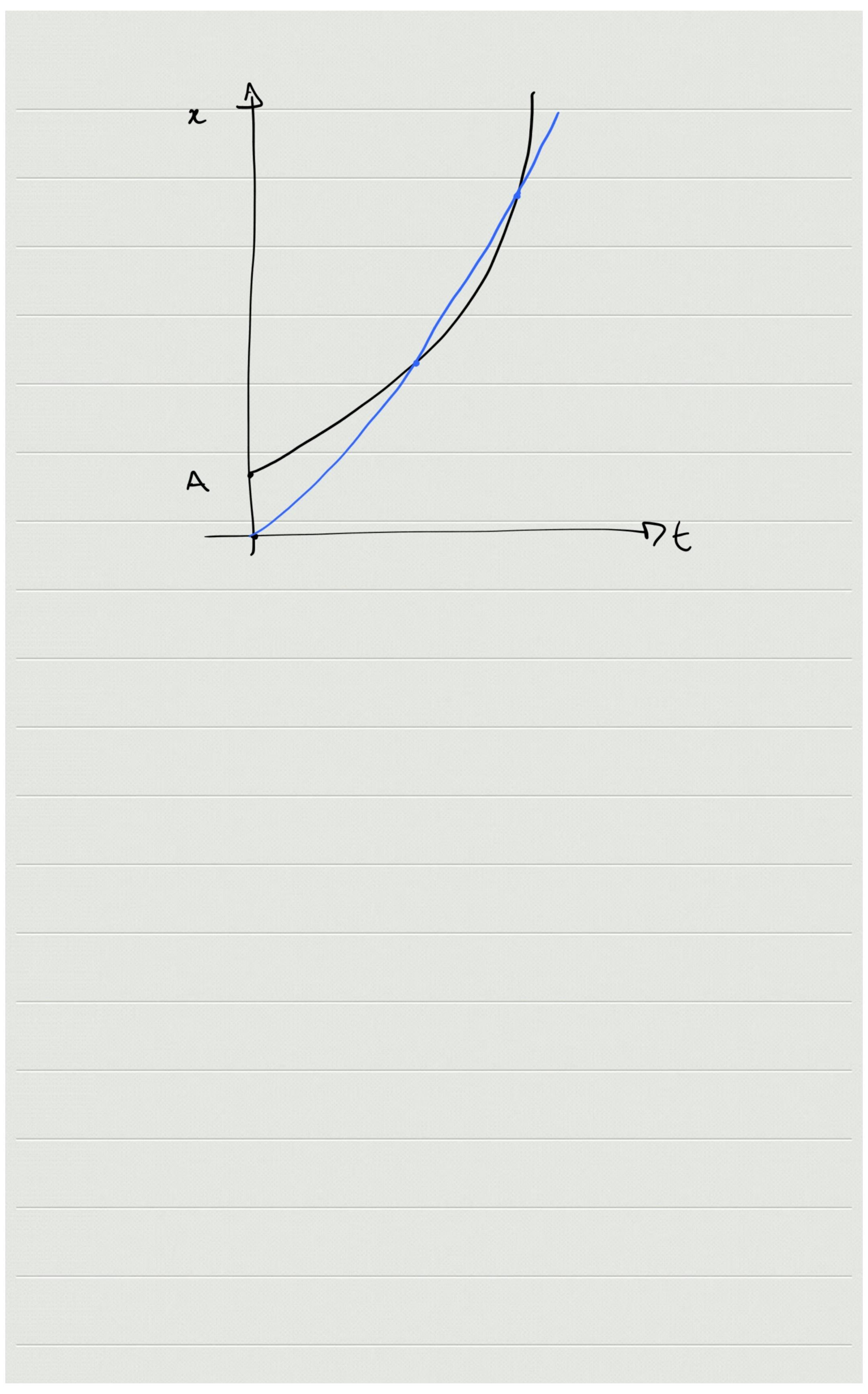
$$0 = (x_{02} - x_{02}) + (x_{02} - x_{02}) + (x_{02} - x_{02}) + \frac{1}{2}(a_{02} - a_{02}) + \frac{1}{2}(a$$

$$t^{2} + \frac{2(x_{0} - x_{0})}{2x - 2x} + \frac{2(x_{0} - x_{0})}{2x - 2x} = 0$$

$$t = \frac{Noa - Noe}{Qa - Qe} \pm \sqrt{\frac{Noa - Noe}{Qa - Qe}^2 - \frac{2(noa - noe)}{Qa - Qe}}$$

$$t = \frac{A \cdot A}{3a} \Rightarrow x_1 = x_{oe} + 3.5 \quad (m)$$

$$t = \frac{A \cdot A}{3a} \Rightarrow x_2 = x_{oe} + 13.5 \quad (m)$$



$$N_{0} = 100 \text{ km/k}$$

$$a = cost \qquad (a < 0)$$

$$d = 100 \text{ m} \qquad N_{1} = 65 \text{ km/k}$$

$$a = ?$$

$$-N_{1}^{2} = N_{0}^{2} + 2ad + \qquad N_{2}^{2} = N_{1}^{2} + 2a(x_{2}-x_{1})$$

$$-N_{0}^{2} = N_{1}^{2} + 2ad + \qquad (* a = |a|)$$

$$-N_{1}^{2} = N_{0}^{2} - 2ad + 2ad + \qquad (* a = |a|)$$

$$-N_{1}^{2} = N_{0}^{2} - 2ad + 2ad + \qquad (* a = |a|)$$

$$-N_{1}^{2} = N_{0}^{2} + 2ad + 2ad + \qquad (* a = |a|)$$

$$-N_{1}^{2} = N_{0}^{2} + 2ad + 2ad + \qquad (* a = |a|)$$

$$-N_{1}^{2} = N_{0}^{2} + 2ad + 2ad + \qquad (* a = |a|)$$

$$-N_{1}^{2} = N_{0}^{2} + 2ad +$$

$$-\int_{0}^{0} = \sqrt{3} + 2 + 2 = 2$$

$$-\int_{0}^{1} = \sqrt{3} + 2 = 2$$

Je = Si + a (tef-ti)

20 = 173 m

$$-0 = 50^{2} + 2ad' + =$$

$$-0 = 50 + 2 t2$$

$$t_2$$
:  $t_2 = -\frac{N_0}{a} = 12.5$