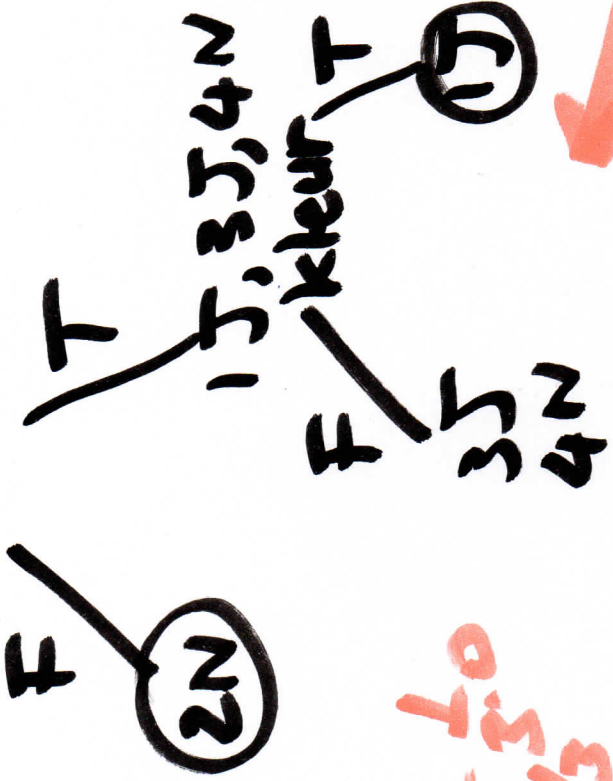


27) ii)

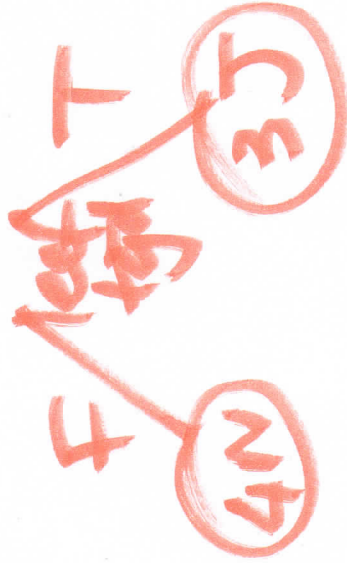
banden



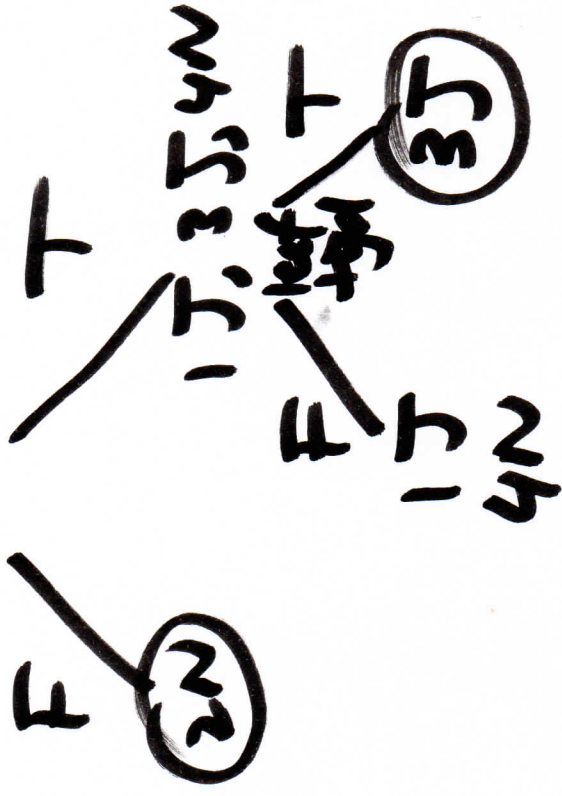
$$\frac{2}{3} \cdot 1 + \frac{1}{3} \cdot 0 = \frac{2}{3}$$



kiss random leaven good

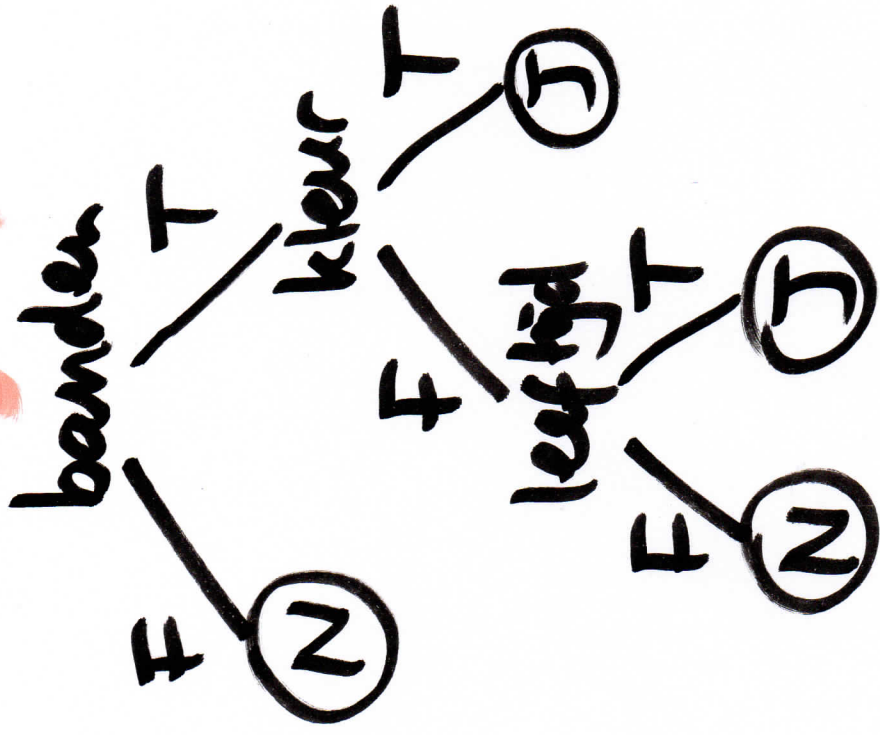


banden

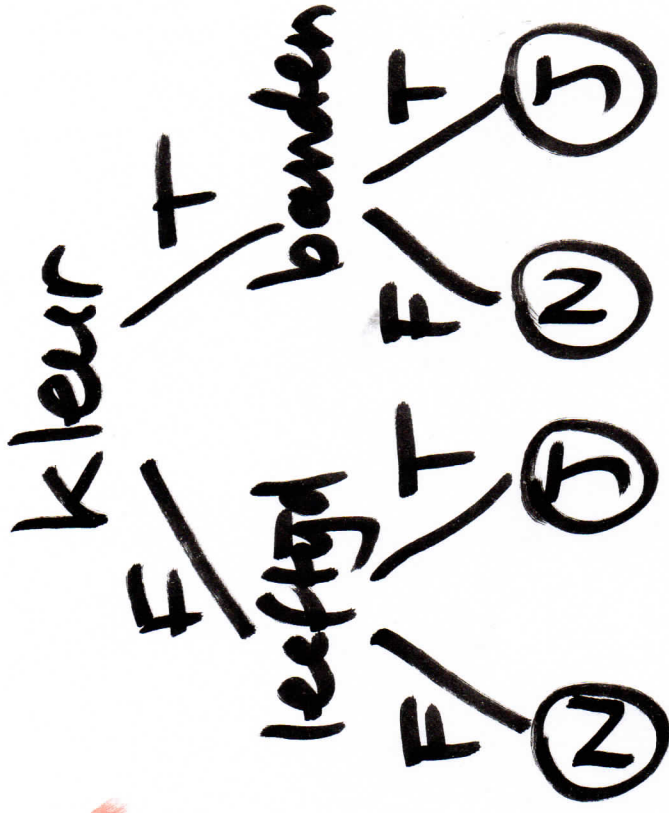


27) iii)

1D3 geeft:



beter is:



"gratis"

10)c) h admissibel: h overschat nooit

$$\left. \begin{array}{l} F(1) \quad 1 \leq \sigma \\ C(3) \quad 3 \leq 2\sigma \\ A(5) \quad 5 \leq 2 + 2\sigma \end{array} \right\} \Leftrightarrow \sigma \geq \frac{3}{2}$$

de rest 92

10) A* $f = 0 + 5 = 5$

• (A) $D_6 B_7$

• (C) $D_6 B_7$

• $D_4 \rightarrow 5 \quad B'_6 \quad D_6 \quad B_7 \quad (A_9)$
en $F(3+5)$

pathmax

goal 1: $3+5 \leq 5 \Leftrightarrow 5 \leq 2 \Rightarrow F(3+5) \rightarrow F_5$
pathmax

• (D) $F_5 \quad B'_6 \quad D_6 \dots$

goal 2: $2 < 5 \leq 3 \quad B'_6 \quad D_6 \dots$
ETC.

goal 3: $6 > 3 \quad B'_6 \quad D_6 \quad B_7 \quad F(3+5) \dots$

10) d) IDA*

Begin met limiet = 5, en doe een DFS:



Nu wordt limiet = 2 + 20, weer een DFS:

..... ACFH, kosten 2 + 20.
 Als 0 > 5 wordt ACDGH korter: 12.