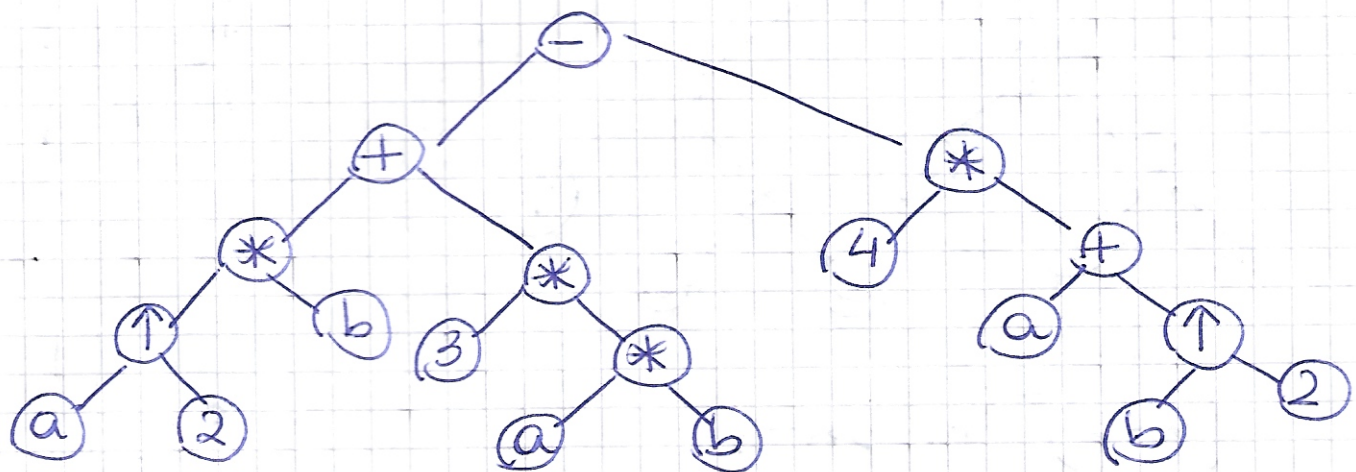


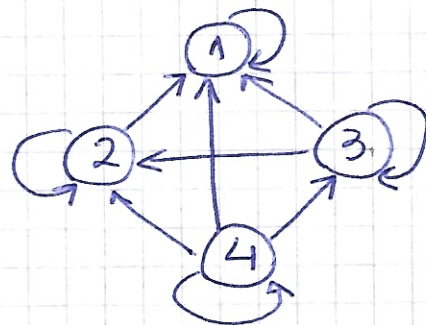
(2) $a^2 \cdot b + 3ab - 4 \cdot (a+b^2)$



POST ORDER : $a^2 \uparrow b * 3 ab * * + 4 a b^2 \uparrow + * -$

(3) a) $R = \{(1,1)(2,1)(2,2)(3,1)(3,2)(3,3)(4,1)(4,2)(4,3)(4,4)\}$

b) $M_R = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 1 & 1 & 0 & 0 \\ 1 & 1 & 1 & 0 \\ 1 & 1 & 1 & 1 \end{pmatrix}$

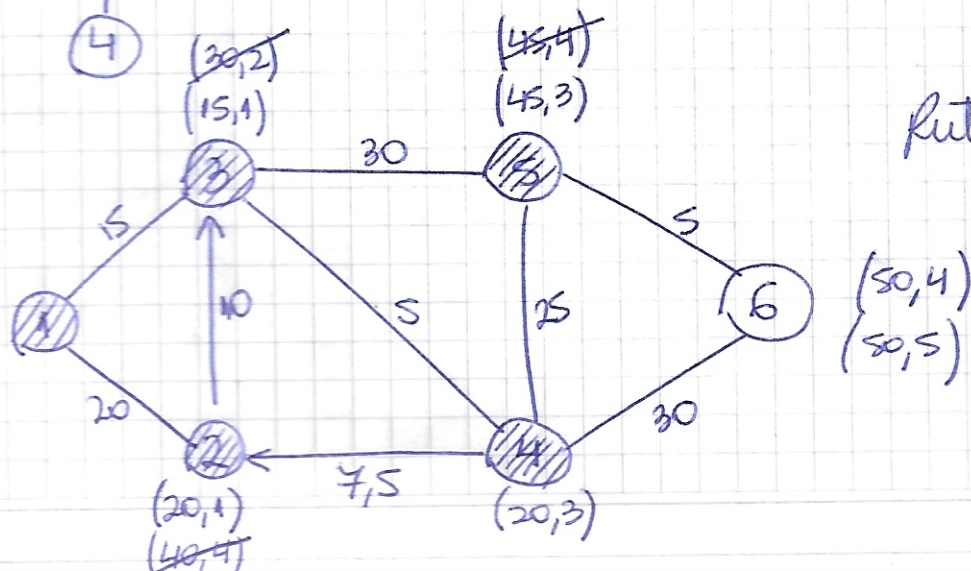


c)



(4) $6^{\sqrt{4}} \cdot 3^{\sqrt{1}} = 1080$

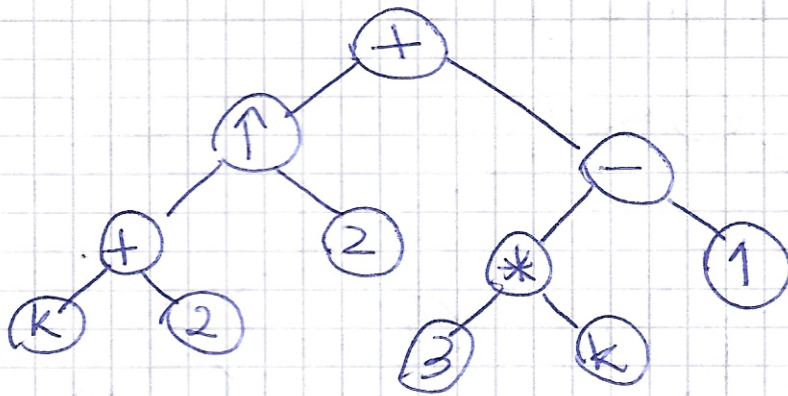
(5)



Ruta : 1-3-5-6

$$(6) + \uparrow + 2k2 - * 3k1$$

(RID)



$$(k+2)^2 + 3k-1$$