

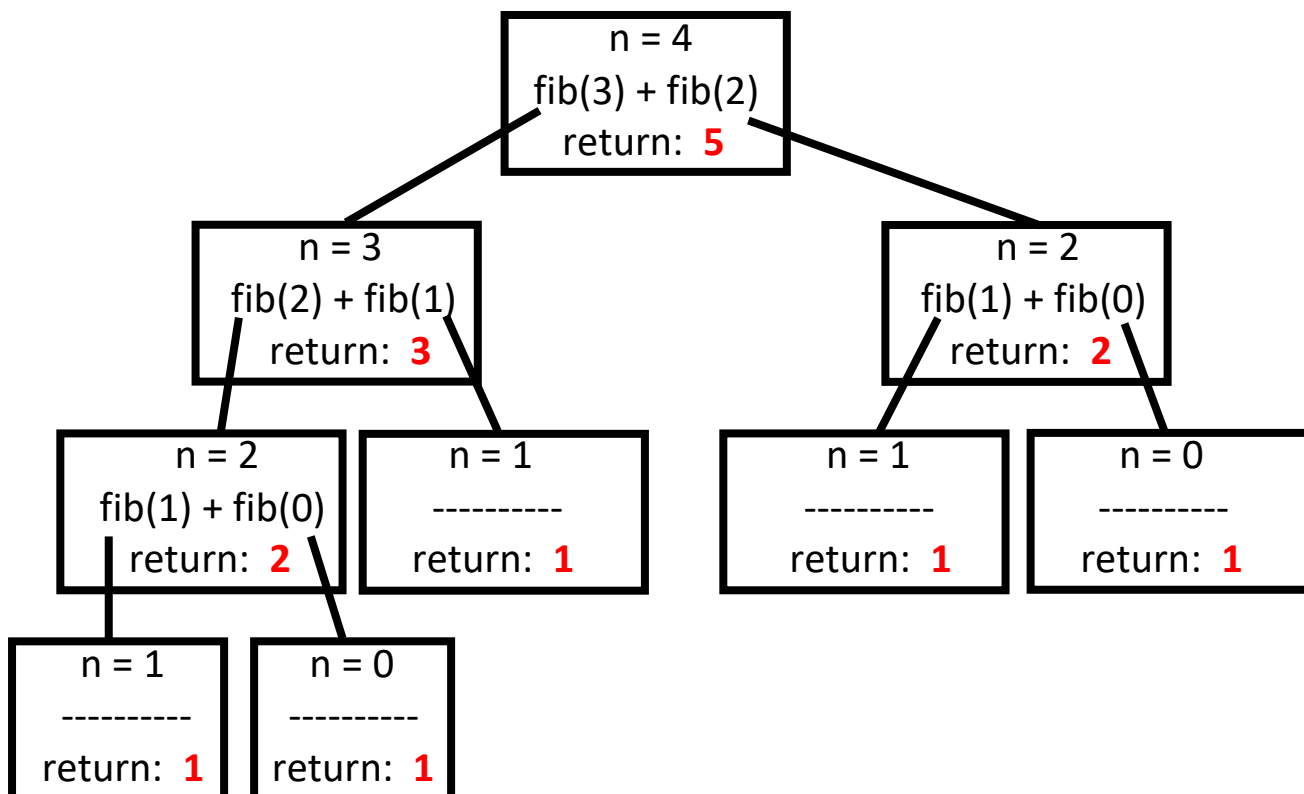
Hva skjer ved de rekursive kallene:

fakultet:

$$\begin{aligned} \text{fakultet}(5) &= (5 * \text{fakultet}(4)) \\ &= (5 * (4 * \text{fakultet}(3))) \\ &= (5 * (4 * (3 * \text{fakultet}(2)))) \\ &= (5 * (4 * (3 * (2 * \text{fakultet}(1))))) \\ &= (5 * (4 * (3 * (2 * 1)))) \\ &= (5 * (4 * (3 * 2))) \\ &= (5 * (4 * 6)) \\ &= (5 * 24) \\ &= 120 \end{aligned}$$

fibonacci:

fibonacci(4)



NB: Ineffektivt! Da regner ut de samme verdiene igjen og igjen.

Løsning: Dynamisk programmering (litt mer senere)