

Rod Cutting Example

Length	0	1	2	3	4	5
p_i	0	3	5	10	12	14
r_i						
s_i						

$$r(j) = \begin{cases} 0 & \text{for } j=0 \\ \max_{1 \leq i \leq j} (p(i) + r(j-i)) & \text{for } j > 0 \end{cases}$$