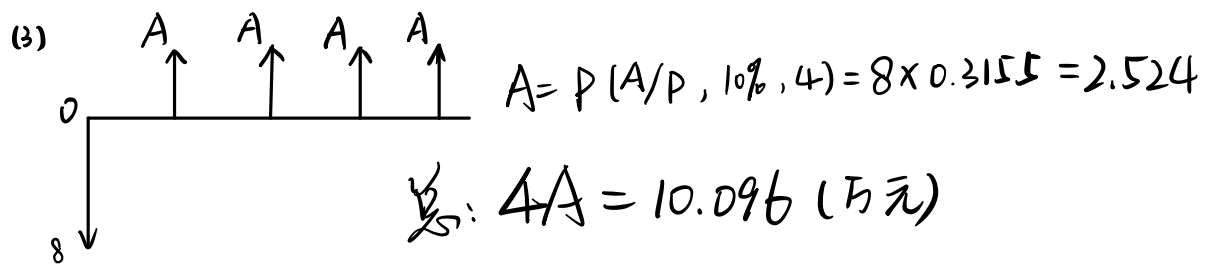
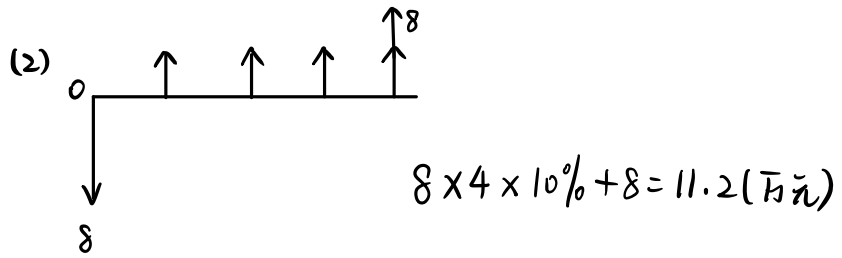
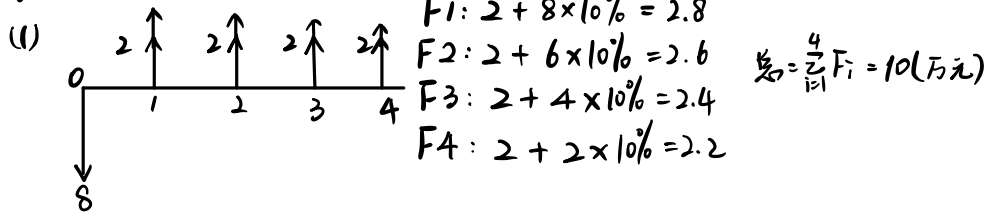


1. 统一换到0点进行比较

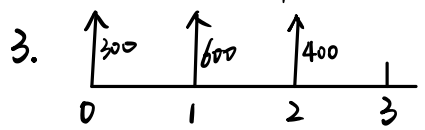


(4) 本息:  $F = 8 \times (1 + 10\%)^4 = 11.7128$  (万元)

2.  $(F/P, 7, i) = \frac{490.92}{108} = 4.546$

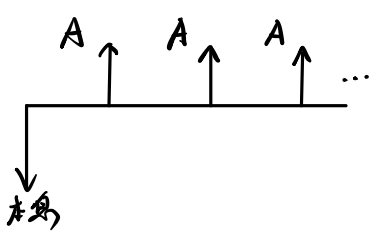
$$\frac{i - 25\%}{i - 20\%} = \frac{4.546 - 4.768}{4.546 - 3.583} = \frac{-0.222}{0.963}$$

$i \approx 24\%$

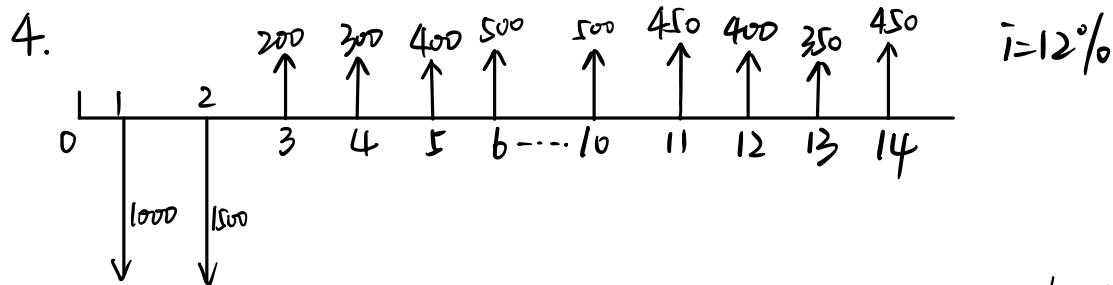


本息:  $300 \times (1 + 6\%)^3 + 600 \times (1 + 6\%)^2 + 400 \times (1 + 6\%)$   
 $= 357.3048 + 674.16 + 424$   
 $= 1455.4648$

息:  $1455.4648 - 1300 = 155.4648$



$$\begin{cases} A = P(A/P, 6\%, i) \\ A = 500 \\ P = 1455.4648 \end{cases} \Rightarrow i = 4$$



$$11) P = -1000(F/P, 12\%, 1) - 1500(F/P, 12\%, 2) + 200(F/P, 12\%, 3) \\ + 300(F/P, 12\%, 4) + \dots + 350(F/P, 12\%, 13) \\ + 450(F/P, 12\%, 14) = -100.78 \text{ (万元)}$$

$$12) F = -1000(F/P, 12\%, 13) - 1500(F/P, 12\%, 12) \\ + 200(F/P, 12\%, 11) + \dots + 350(F/P, 12\%, 1) \\ + 450 \\ = -492.5 \text{ (万元)}$$

$$13) F_2 = P(F/P, 12\%, 2) = -126.42 \text{ (万元)}$$

