

20th $a = \frac{1}{r} \quad f\left(\frac{1}{r}\right) = g\left(\frac{1}{r}\right) \rightarrow r+k=r \quad k=0$

$$a+r = \frac{1}{c} + \dots = \boxed{\frac{1}{c}}$$

21st

$$a = -\frac{r}{r} \rightarrow -r+b = -ra+r \quad b+ra = r \quad a=r$$

$$m=1 \rightarrow 1 = r+b \rightarrow b = -r \quad a-b = \boxed{a}$$

22nd

$$f = ra^r + ra \rightarrow ra^r + ra = r \quad a^r, a-r =$$

$$(a+r)(a-1) =$$

$$a = \boxed{r} \leftarrow$$

$$a = \boxed{1}$$