

۱۴,۵

$$\binom{9}{r} \times \frac{(r-1)!}{r}$$

$$= 1 \times 1 = 1$$

①

$$9 \times 8 \times \dots \times 1$$

$$= 9!$$

$$= 362880$$

①

$$\frac{a}{\underbrace{\quad\quad\quad}_{b, d, e, f}}$$

$$\Rightarrow \binom{9}{r} \times r! = 9 \times 9$$

①

$$\frac{9 \times 8 \times \dots \times 1}{4}$$

$$= 9!$$

$$= 362880$$

①

$$a, b, c, d, e, f$$

$$9! = 362880$$

①

$$\frac{9 \times 8 \times \dots \times 1}{4}$$

$$= \frac{9!}{4}$$

$$= 90720$$

①

$$a, b, \frac{cd}{dc}, e, f$$

$$9! \times 2 = 725760$$

①

$$\binom{9}{r} \times r!$$

$$= 9 \times 2 \times 9$$

$$= 162$$

①

$$\frac{9!}{r!} = \frac{362880}{r} = 72576$$

①

$$\binom{9}{r} \times (r-1)!$$

$$= 9 \times 9$$

$$= 81$$

①

W W W W W, B B B B B (1)

$$\begin{aligned} \Gamma! \times \omega! \times \omega! &= \Gamma_0 \times \Gamma_0 \times \Gamma \\ &= \Gamma \Lambda_0 \end{aligned}$$

19

a, b, c, d, e, f (1)

$$\begin{aligned} \Gamma! &= \Gamma \Gamma \\ \Gamma \Gamma \times \Gamma! &= \Gamma \Gamma \Gamma \end{aligned}$$

11

1.1 - (9.1 x a.1) (1)

$$\begin{aligned} &= 9! (1 - x^9 \wedge x^V) - 1 \Gamma_0 \\ &= 9! \times \Gamma \Gamma_0 \\ &= \Gamma \omega \Gamma \Gamma_0 \end{aligned}$$

(1A)

$$\frac{9!}{\Gamma!} = \Gamma_0 \checkmark$$

(1)

12

-B-B-B-B-B- (1)

$$\begin{aligned} (9) \times \omega! \times \omega! &\checkmark \\ &= 9 \times \Gamma_0 \times \Gamma_0 = \Lambda 9 \Gamma_0 \end{aligned}$$

(1B)

$$\frac{9!}{\Gamma!} = \Gamma_0 \checkmark$$

(1)

13

\omega! \times \omega! \times \Gamma \checkmark (1)

$$\begin{aligned} &= \Gamma_0 \times \Gamma_0 \times \Gamma \\ &= \Gamma \Lambda, \Lambda_0 \end{aligned}$$

19

$$\frac{9!}{\Gamma! \times \Gamma!} = \frac{\Gamma \Gamma_0}{\Gamma \times \Gamma} = \Lambda_0$$

(1)

14

\omega! \times \Gamma! \checkmark (1)

$$\begin{aligned} &= \Gamma_0 \times \Gamma \Gamma \\ &= \Gamma \Lambda \Lambda_0 \end{aligned}$$

\Gamma_0

W (B B B B B) W (1)
W W W

$$\begin{aligned} 9! \times \omega! &= \Gamma \Gamma_0 \times \Gamma_0 \\ &= \Lambda 9 \Gamma_0 \end{aligned}$$

15

حکمت ناصح $\rightarrow 4! \times 5!$

بعضی

$\rightarrow 1! - (4! \times 5! + \binom{4}{5} \times 5! \times 5!)$

هیچ کدام $\rightarrow \binom{4}{5} \times 5! \times 5!$

(مثل سوال ۱۷)