## chapter-2 homework

1. 
$$A=\{\}$$
 (空集合),求  $P(A)$ 。

$$P(A) = \emptyset$$

2. 
$$A = \{a,b,c\}$$
 · 求  $P(A)$  。

$$P(A) = \{\varnothing, \{a\}, \{b\}, \{c\}, \{a,b\}, \{a,c\}, \{b,c\}, \{a,b,c\}\}$$

## 3. $A=\{a,b,c,d,e,f\}$ · 求 P(A) 。

```
P(A) = \{
\emptyset, \{a\}, \{b\}, \{c\}, \{d\}, \{e\}, \{f\},
{a,b},{a,c},{a,d},{a,e},{a,f},
{b,c},{b,d},{b,e},{b,f},
\{c,d\},\{c,e\},\{c,f\},
\{d, e\}, \{d, f\},
\{e, f\},\
{a,b,c}, {a,b,d}, {a,b,e}, {a,b,f}, {a,c,d}, {a,c,e}, {a,c,f}, {a,d,e}, {a,d,f}, {a,e,f},
{b, c, d}, {b, c, e}, {b, c, f}, {b, d, e}, {b, d, f}, {b, e, f},
\{c,d,e\},\{c,d,f\},\{c,e,f\},
\{d, e, f\},\
{a,b,c,d}, {a,b,c,e}, {a,b,c,f}, {a,b,d,e}, {a,b,d,f}, {a,b,e,f}, {a,c,d,e}, {a,c,d,f}, {a,c,e,f}, {a,d,e,f},
\{b, c, d, e\}, \{b, c, d, f\}, \{b, c, e, f\},
\{b, d, e, f\},\
\{c, d, e, f\},\
{a,b,c,d,e},{a,b,c,d,f},{a,b,c,e,f},
{a, b, d, e, f},
{a, c, d, e, f},
\{b, c, d, e, f\},\
\{a, b, c, d, e, f\}
```