

3)
$$M(0)=1$$
 $M(n)=\frac{1}{2}$, $+1+M(n-1)=n+M(n-1)$ $n\geq 1$
 $M(0)=1$
 $M(0)=1$
 $M(0)=1$
 $M(0)=1+1=2$
 $M(0)=n+0$
 $M(1)=1+1=2$
 $M(2)=2+2=4$
 $M(3)=3+4=7$
 $M(3)=3+4=7$
 $M(3)=1+1=1$
 $M(3)=1+1=2$
 $M(3)=1=2$
 $M(3)=1=2$

=
$$2^{\circ}.3 + 2^{\circ}.3 \cdot 2^{\circ}.3 \cdot ... + 2^{\circ}.3 =$$
 $3^{\circ}.2^{\circ}.2^{\circ}.3 \cdot 2^{\circ}.3 \cdot ... + 2^{\circ}.3 =$
 $3^{\circ}.2^{\circ}.2^{\circ}.3 \cdot 2^{\circ}.3 \cdot ... + 2^{\circ}.3 =$
 $3^{\circ}.2^{\circ}.2^{\circ}.3 \cdot 2^{\circ}.3 \cdot ... + 2^{\circ}.3 =$
 $3^{\circ}.2^{\circ}.3 \cdot 2^{\circ}.3 \cdot ... + 2^{\circ}.3 =$
 $3^{\circ}.2^{\circ}.3 \cdot 2^{\circ}.3 \cdot ... + 2^{\circ}.3 =$
 $3^{\circ}.3 \cdot 2^{\circ}.3 \cdot 2^{\circ}.3 =$
 $3^{\circ}.3 \cdot 2^{\circ}.3 =$
 $3^{\circ}.3$