(i) 2|3|7|8

(ii) $(5D)^2$ →10D
           →9D

(iii) $\dfrac{N^2}{9}$ $\boxed{R \to 1,0,4,7}$

(iv) $(1-24)^2 \to$ last two digit

इकाई दहाई

दहाई	इकाई
T	U
even	1
even	4
2	5
odd	6
even	9
0	0

1^2
$1 \longrightarrow \boxed{1}$
$9^2 \longrightarrow$

2^2
$2 \longrightarrow \boxed{4}$
$8^2 \longrightarrow$

$5^2 \longrightarrow \boxed{5}$

$4^2 \longrightarrow \boxed{6}$
$6^2 \longrightarrow$

$3^2 \longrightarrow \boxed{9}$
$7^2 \longrightarrow$

2 ✗
3 ✗
7 ✗
8 ✗
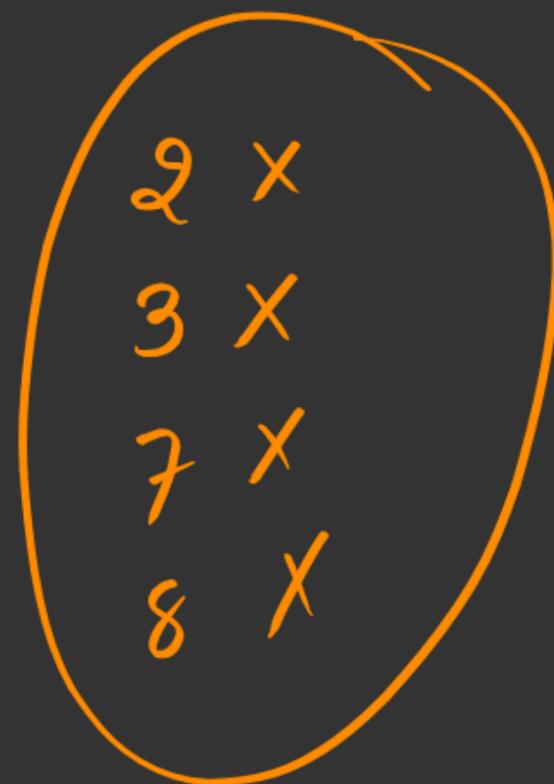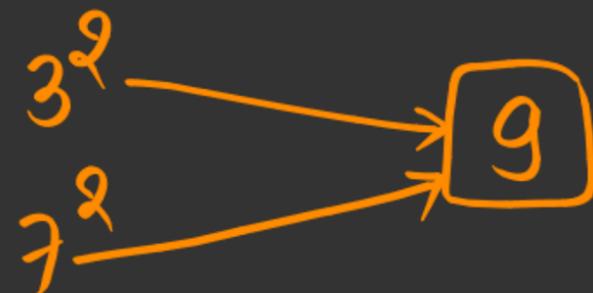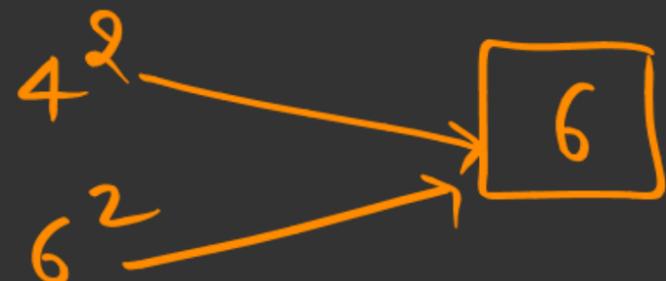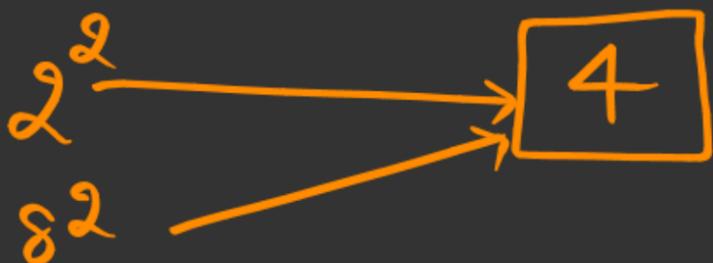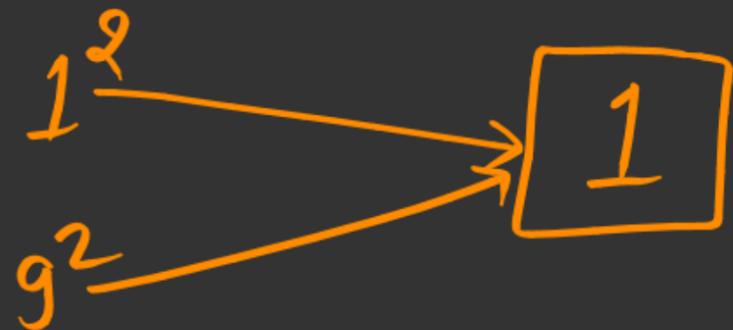
$1^2 = 1$

$11^2 = 121$

$111^2 = 12321$

$1111^2 = 1234321$

$11111^2 = 123454321$

$$\sqrt{1234567\underline{8}7654321} = 11111111$$

5 से अंत हो

$5^2 = 25$

$2 \times 1\underline{5}^2 = 2\ 25$

$3 \times 2\underline{5}^2 = 6\ 25$

$4 \times 3\underline{5}^2 = 12\ 25$

$5 \times 4\underline{5}^2 = 2025$

$65^2 \rightarrow 4225$

$75^2 \rightarrow 5625$

$85^2 \rightarrow 7225$

$95^2 \rightarrow 9025$

$11 \times 10\underline{5}^2 \rightarrow 11025$

$9^2 = 8\ 1$

$99^2 = 9\ 8\ 0\ 1$

$999^2 = 9\ 9\ 8\ \ 0\ 0\ 1$

3बार-1
2बार

$9999^2 = 999\ 8\ 0001$

4बार-1
3बार

$99999^2 = 9999\ 8\ 00001$

$$\sqrt{\cancel{9999999}\,8\,\cancel{0000000}1} = \sqrt{81} = 99999999$$

$$\boxed{6^2 = 36}$$

$$666666^2 =$$

$$66^2 = 4\,3\,\overset{\curvearrowright}{5}\,6$$

$$44443\,55556$$

$$666^2 = 443556$$

$$\sqrt{\cancel{44444444}\,3\cancel{5555556}} =$$

$$6666^2 = 44435556$$

$$\sqrt{36} = \boxed{66666666}$$

$$3^2 = 09$$

$$33^2 = 1089$$

$$333^2 = 110889$$

$$3333^2 = 11108889$$

$$33333^2 = 1111108889$$

$$\sqrt{1111108888889} = 3333333$$

$$\sqrt{09} = 3$$

$$3,6,9$$

किसी भी दो अंकों की संख्या का वर्ग

$$(10-99)^2$$

$$13^2 \rightarrow 1 \times 3 \times 2$$

$$
\begin{array}{r}
1\ 09 \\
6\ \times \\
\hline
169
\end{array}
$$

$$14^2$$

$$
\begin{array}{r}
1\ 16 \\
8\ \times \\
\hline
196
\end{array}
$$

$$18^2$$

$$
\begin{array}{r}
1\ 64 \\
1\ 6\ \times \\
\hline
324
\end{array}
$$

$$19^2$$

$$
\begin{array}{r}
1\ 81 \\
1\ 8\ \times \\
\hline
361
\end{array}
$$

21^2

4 01
4x

441

23^2

4 09
1 2x

529

25^2

4 25
2 0x

625

27^2

4 49
2 8x

729

29^2

4 81
3 6x

841

51^2

25 01
10x

2601

32^2

9 04
1 2x

1024

33^2

9 09
18x

1089

39^2

9 81
54x

1521

43^2

16 09
2 4x

1849

46^2

16 36
48x

2116

49^2

16 81
72x

2401

57^2

63^2

69^2

72^2

93^2
8109
$54×$
———
8649

2549
$70×$
———
3249

3609
$36×$
———
3969

3681
$108×$
———
4761

4904
$28×$
———
5184

91^2

8101
$18×$
———
(8281)

77^2

83^2

85^2

4949
$98×$
———
5929

6409
$48×$
———
6889

6425
$80×$
———
7225