

بجای معروف های توان و رادیکال

$$\sqrt{144} = 12$$

$$u = 263 \Rightarrow u = 3 \Rightarrow u = 5$$



✓ پایی ۲

$$P^0 = 1$$

$$P^\Sigma = 14$$

$$P^1 = 254$$

$$P^1 = 2$$

$$P^A = 32$$

$$P^9 = 212$$

$$P^2 = 8$$

$$P^4 = 48$$

$$P^{10} = 1028$$

$$P^3 = 1$$

$$P^V = 121$$

✓ پایی ۳

$$P^0 = 1$$

$$P^3 = 27$$

$$P^1 = 3$$

$$P^\Sigma = 11$$

$$P^2 = 9$$

$$P^A = 253$$

$$P^A = P^1 \times P^\Sigma = 3 \times 11 = 3(10+1) = 30+3$$



پایه ۵ ✓

$$\varepsilon^0 = 1$$

$$\varepsilon^1 = \varepsilon$$

$$\varepsilon^2 = 19$$

$$\varepsilon^3 = 4\varepsilon$$

$$\varepsilon^4 = 25\varepsilon \rightarrow (\varepsilon^2)^2 = \varepsilon^4 = 25\varepsilon$$

$$\varepsilon^5 = 102\varepsilon$$

پایه ۵ ✓

$$\Delta^0 = 1$$

$$\Delta^1 = \Delta$$

$$\Delta^2 = 2\Delta$$

$$\Delta^3 = 12\Delta$$

$$\Delta^4 = 42\Delta$$



✓ پاسی ۴

$$q^0 = 1$$

$$q^1 = 4$$

$$q^2 = 16$$

$$q^3 = 64$$

$$q^3 = 4 \times q^2 = 4(16) = 4(10 + 6)$$

○ پاسی ۷

$$V^0 = 1$$

$$V^1 = 7$$

$$V^2 = 49$$

$$V^3 = 343$$

$$V^3 = V \times V^2 = V(49) = V(50 - 1)$$



✓ مربع های معروف

$$1^2 = 1$$

$$4^2 = 16$$

$$11^2 = 121$$

$$14^2 = 196$$

$$2^2 = 4$$

$$5^2 = 25$$

$$12^2 = 144$$

$$15^2 = 225$$

$$3^2 = 9$$

$$6^2 = 36$$

$$13^2 = 169$$

$$16^2 = 256$$

$$4^2 = 16$$

$$7^2 = 49$$

$$14^2 = 196$$

$$17^2 = 289$$

$$5^2 = 25$$

$$8^2 = 64$$

$$15^2 = 225$$

$$18^2 = 324$$



ساخته

✓ مکعب های معروف

$$1^3 = 1$$

$$2^3 = 8$$

$$3^3 = 27$$

$$4^3 = 64$$

$$5^3 = 125$$

$$6^3 = 216$$

$$7^3 = 343$$

$$8^3 = 512$$

$$9^3 = 729$$

$$10^3 = 1000$$