

: Določi največje skupne delitelje naslednjih števil:

1. 40, 28

3. 120, 48, 144

5. 700, 1813, 735

2. 110, 135

4. 2079, 693, 1155

6. 192, 128, 40

$$40 = 2^3 \cdot 5, 28 = 2^2 \cdot 7, D = 2^2 = 4$$

$$110 = 2 \cdot 5 \cdot 11, 135 = 3^3 \cdot 5, D = 5$$

$$120 = 2^3 \cdot 3 \cdot 5, 48 = 2^4 \cdot 3, 144 = 2^4 \cdot 3^2, D = 2^3 \cdot 3 = 24$$

$$2079 = 9 \cdot 231 = 3^2 \cdot 3 \cdot 77 = 3^3 \cdot 7 \cdot 11, 693 = 9 \cdot 77 = 3^2 \cdot 7 \cdot 11, 1155 = 15 \cdot 77 = 3 \cdot 5 \cdot 7 \cdot 11, D = 3 \cdot 7 \cdot 11 = 231$$

$$700 = 7 \cdot 100 = 7 \cdot 4 \cdot 25 = 2^2 \cdot 5^2 \cdot 7, 1813 = 7 \cdot 259 = 7^2 \cdot 37, 735 = 15 \cdot 49 = 3 \cdot 5 \cdot 7^2, D = 7$$

$$192 = 6 \cdot 32 = 2^6 \cdot 3, 128 = 2^7, 40 = 2^3 \cdot 5, D = 2^3 = 8$$