```mathematica
In[ ]:= in = (1 + x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9 + x^10)
    (1 + x^2 + x^4 + x^6 + x^8 + x^10) (1 + x^3 + x^6 + x^9) (1 + x^4 + x^8)
    (1 + x^5 + x^10) (1 + x^6) (1 + x^7) (1 + x^8) (1 + x^9) (1 + x^10)

    out = Expand[in]
```
раскрыть скобки

$$Out[ ]= \left(1 + x^6\right) \left(1 + x^7\right) \left(1 + x^8\right) \left(1 + x^4 + x^8\right) \left(1 + x^9\right) \left(1 + x^3 + x^6 + x^9\right) \left(1 + x^{10}\right)$$
$$\left(1 + x^5 + x^{10}\right) \left(1 + x^2 + x^4 + x^6 + x^8 + x^{10}\right) \left(1 + x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9 + x^{10}\right)$$

$$Out[ ]= 1 + x + 2 x^2 + 3 x^3 + 5 x^4 + 7 x^5 + 11 x^6 + 15 x^7 + 22 x^8 + 30 x^9 + 42 x^{10} + 54 x^{11} + 70 x^{12} + 91 x^{13} +$$
$$116 x^{14} + 145 x^{15} + 181 x^{16} + 222 x^{17} + 270 x^{18} + 325 x^{19} + 386 x^{20} + 454 x^{21} + 529 x^{22} + 616 x^{23} +$$
$$707 x^{24} + 805 x^{25} + 910 x^{26} + 1022 x^{27} + 1135 x^{28} + 1255 x^{29} + 1374 x^{30} + 1497 x^{31} + 1618 x^{32} +$$
$$1741 x^{33} + 1856 x^{34} + 1966 x^{35} + 2069 x^{36} + 2165 x^{37} + 2246 x^{38} + 2319 x^{39} + 2379 x^{40} +$$
$$2425 x^{41} + 2456 x^{42} + 2473 x^{43} + 2473 x^{44} + 2456 x^{45} + 2425 x^{46} + 2379 x^{47} + 2319 x^{48} +$$
$$2246 x^{49} + 2165 x^{50} + 2069 x^{51} + 1966 x^{52} + 1856 x^{53} + 1741 x^{54} + 1618 x^{55} + 1497 x^{56} +$$
$$1374 x^{57} + 1255 x^{58} + 1135 x^{59} + 1022 x^{60} + 910 x^{61} + 805 x^{62} + 707 x^{63} + 616 x^{64} + 529 x^{65} +$$
$$454 x^{66} + 386 x^{67} + 325 x^{68} + 270 x^{69} + 222 x^{70} + 181 x^{71} + 145 x^{72} + 116 x^{73} + 91 x^{74} + 70 x^{75} +$$
$$54 x^{76} + 42 x^{77} + 30 x^{78} + 22 x^{79} + 15 x^{80} + 11 x^{81} + 7 x^{82} + 5 x^{83} + 3 x^{84} + 2 x^{85} + x^{86} + x^{87}$$