

# КРИПТОГРАФІЯ

## КОМП'ЮТЕРНИЙ ПРАКТИКУМ №4

### Варіанти завдань

№ вар	Поліноми
1	$P_1(X) = X^{20} + X^{16} + X^{14} + X^{12} + X^{10} + X^7 + X^6 + X + 1$ $P_2(X) = X^{24} + X^{21} + X^{12} + X^{11} + X^{10} + X^7 + X^2 + X + 1$
2	$P_1(X) = X^{22} + X^{17} + X^{16} + X^{15} + X^{14} + X^{12} + X^{11} + X^7 + X^6 + X^5 + X^3 + X + 1$ $P_2(X) = X^{21} + X^{18} + X^{14} + X^9 + X^8 + X^2 + 1$
3	$P_1(X) = X^{21} + X^{14} + X^{12} + X^{11} + X^{10} + X^5 + X^3 + X^2 + 1$ $P_2(X) = X^{23} + X^{20} + X^{18} + X^{17} + X^{13} + X^{11} + X^9 + X^6 + X^5 + X^4 + 1$
4	$P_1(X) = X^{22} + X^{17} + X^{14} + X^{13} + X^{11} + X^{10} + X^7 + X^6 + X^3 + X^2 + 1$ $P_2(X) = X^{21} + X^{20} + X^{18} + X^{17} + X^{12} + X^9 + X^8 + X^6 + X^5 + X^4 + 1$
5	$P_1(X) = X^{20} + X^{17} + X^{15} + X^{14} + X^9 + X^7 + X^5 + X^3 + X^2 + X + 1$ $P_2(X) = X^{24} + X^{22} + X^{18} + X^{17} + X^{16} + X^{15} + X^{12} + X^{11} + X^9 + X^4 + X^2 + X + 1$
6	$P_1(X) = X^{22} + X^{17} + X^{15} + X^{14} + X^{13} + X^{11} + X^8 + X^7 + X^6 + X^3 + X^2 + X + 1$ $P_2(X) = X^{21} + X^{16} + X^{15} + X^{14} + X^{13} + X^{10} + X^9 + X^7 + X^2 + X + 1$
7	$P_1(X) = X^{23} + X^{20} + X^7 + X^6 + X^5 + X^2 + 1$ $P_2(X) = X^{20} + X^{13} + X^{12} + X^{10} + X^6 + X^5 + X^4 + X^3 + X^2 + X + 1$
8	$P_1(X) = X^{20} + X^{19} + X^{17} + X^{15} + X^{14} + X^4 + 1$ $P_2(X) = X^{24} + X^{21} + X^{15} + X^{14} + X^{11} + X^9 + X^8 + X^5 + X^4 + X^3 + 1$
9	$P_1(X) = X^{25} + X^{20} + X^{19} + X^{17} + X^{15} + X^{14} + X^{13} + X^{10} + X^8 + X^7 + X^6 + X^3 + 1$ $P_2(X) = X^{20} + X^{17} + X^{15} + X^{13} + X^{11} + X^{10} + X^9 + X^6 + X^4 + X^2 + 1$
10	$P_1(X) = X^{20} + X^{18} + X^{11} + X^{10} + X^8 + X^7 + X^6 + X^5 + 1$ $P_2(X) = X^{24} + X^{17} + X^{14} + X^{13} + X^{12} + X^9 + X^6 + 1$

11	$P_1(X) = X^{21} + X^{18} + X^{17} + X^{16} + X^{14} + X^{10} + X^8 + X^7 + X^6 + X^5 + 1$ $P_2(X) = X^{22} + X^{21} + X^{17} + X^{14} + X^{11} + X^8 + X^7 + X^6 + X^4 + X^3 + 1$
12	$P_1(X) = X^{21} + X^{20} + X^{19} + X^{18} + X^{12} + X^{11} + X^{10} + X^8 + X^6 + X^5 + 1$ $P_2(X) = X^{23} + X^{22} + X^{21} + X^{20} + X^{19} + X^{16} + X^{15} + X^{13} + X^{12} + X^9 + X^6 + X^3 + 1$
13	$P_1(X) = X^{21} + X^{19} + X^{18} + X^{17} + X^{15} + X^{14} + X^{13} + X^4 + 1$ $P_2(X) = X^{24} + X^{22} + X^{21} + X^{18} + X^{15} + X^{14} + X^8 + X^6 + 1$
14	$P_1(X) = X^{24} + X^{22} + X^{21} + X^{19} + X^{17} + X^{15} + X^{11} + X^{10} + X^8 + X^2 + 1$ $P_2(X) = X^{20} + X^{19} + X^{18} + X^{14} + X^{12} + X^{10} + X^9 + X^7 + 1$
15	$P_1(X) = X^{23} + X^{20} + X^{17} + X^{16} + X^{14} + X^{12} + X^{10} + X^9 + X^8 + X^7 + X^3 + X + 1$ $P_2(X) = X^{20} + X^{18} + X^{17} + X^{16} + X^{13} + X^{12} + X^{11} + X^9 + X^6 + X^5 + 1$
16	$P_1(X) = X^{21} + X^{17} + X^{16} + X^{14} + X^{13} + X^{12} + X^6 + X^4 + 1$ $P_2(X) = X^{25} + X^{19} + X^{17} + X^{16} + X^{15} + X^{12} + X^{10} + X^8 + X^6 + X^3 + 1$
17	$P_1(X) = X^{21} + X^{20} + X^{19} + X^{17} + X^{16} + X^{15} + X^{10} + X^8 + X^7 + X^6 + X^5 + X^4 + 1$ $P_2(X) = X^{22} + X^{21} + X^{19} + X^{17} + X^{16} + X^{15} + X^{14} + X^{13} + X^{11} + X^{10} + X^8 + X^7 + 1$
18	$P_1(X) = X^{23} + X^{20} + X^{19} + X^{18} + X^{17} + X^{13} + X^{12} + X^{11} + X^7 + X + 1$ $P_2(X) = X^{22} + X^{20} + X^{19} + X^{17} + X^{16} + X^{15} + X^{12} + X^9 + X^7 + X^5 + X^4 + X^3 + X^2 + X + 1$
19	$P_1(X) = X^{22} + X^{18} + X^{16} + X^{13} + X^{12} + X^{11} + X^{10} + X^5 + X^3 + X^2 + 1$ $P_2(X) = X^{20} + X^{17} + X^{16} + X^{15} + X^{10} + X^8 + X^6 + X^5 + X^3 + X + 1$
20	$P_1(X) = X^{22} + X^{19} + X^{17} + X^{16} + X^{15} + X^{14} + X^{13} + X^9 + X^7 + X^6 + X^5 + X^4 + X^3 + X^2 + 1$ $P_2(X) = X^{21} + X^{12} + X^{10} + X^9 + X^8 + X^7 + X^5 + X^4 + X^2 + X + 1$