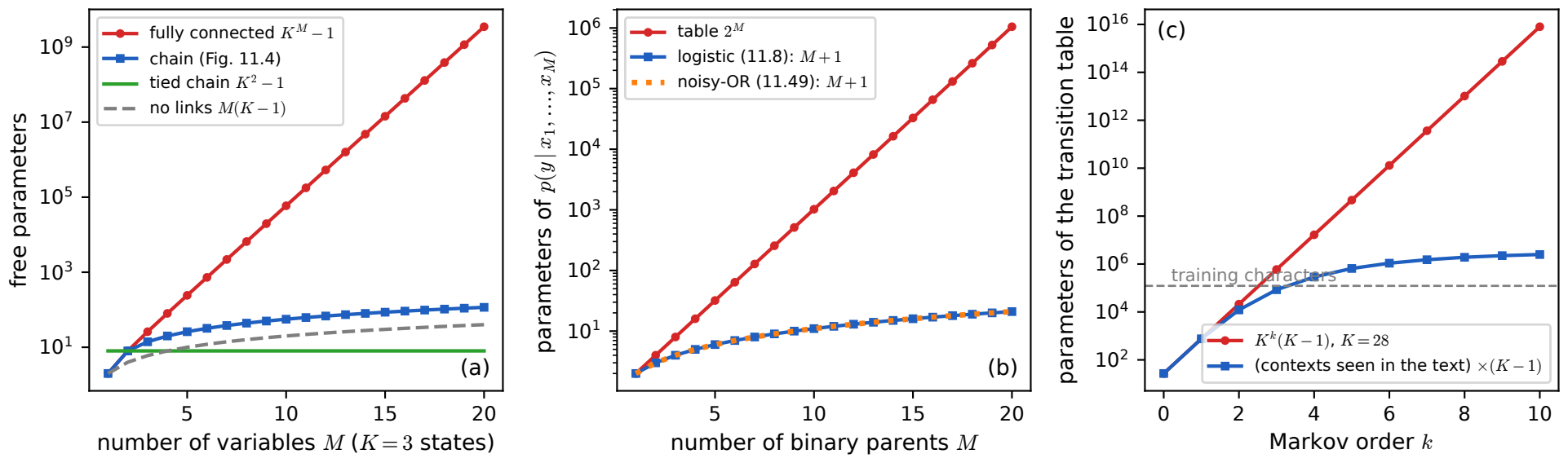

fully connected K^M-1
chain (Fig. 11.4)
tied chain K^2-1
no links $M(K-1)$
free parameters
10^9
10^7
10^5
10^3
10^1
5
10
15
20
number of variables M ($K=3$ states)
(a)
table 2^M
logistic (11.8): $M+1$
noisy-OR (11.49): $M+1$
parameters of $p(y\,|\,x_1,\ldots,x_M)$
10^6
10^5
10^4
10^3
10^2
10^1
5
10
15
20
number of binary parents M
(b)
(c)
parameters of the transition table
10^{16}
10^{14}
10^{12}
10^{10}
10^8
10^6
10^4
10^2
training characters
$K^k(K-1)$, $K=28$
(contexts seen in the text) $\times(K-1)$
0
2
4
6
8
10
Markov order k