formula := original formula to be model counted for
k := number of bits per integer variable for representation
a := iterations per estimate
alpha := maximal error probability
epsilon := maximal multiplicative error
l := number of integer variables in formula
g := $(\sqrt{a+1}-1)^2$
G := $(\sqrt{a+1}+1)^2$
B := $\sqrt{a+1}+1\frac{}{\sqrt{a+1}-1}$
// q = amount of formula replications
q := ceil1 + $4log_2sqrta+1$ + 1 - 2 log_2a / $2log_21+epsilon$
q := ceil1 + log_2B / $2\log 1+epsilon$
p := ceil$g^{1/q}$
p := ceil$sqrta+1$ - 1 $^{2/q}$
formula_e := formula with additional l k bits encoding the integer variables
formula_q := formula_e but replicated q times in conjunction
// kp = n = total number of bits in formula_q
n := k q l
// mp = maximal number of majority vote estimate iterations
mp := floor$n-2log_2sqrta+1$ + 1
mp := floor$n-log_2G$
// r = majority estimate vote count
r := ceil$8log_e1/alpha$ floor$n-2log_2sqrta+1$ + 1
r := ceil$8log_e1/alpha$ floor$n-log_2G$
m = edge of estimate after iteration procedure
// v = return value
v := $a2^{m-0.5}$ $^{1/q}$