Can we assume that the number of inputs will always be valid, i.e. if f takes 10 variables we can assume that the number of valid values passed in will be 10?

I guess a concrete example might in order:

Given

(define . 'MISSING)

These could be used as a test

((peval f a b c d e))
((peval g . . .) a b c)
((peval h a .) b)
((peval m . b) a)
((peval n))

This would not

((peval p . . .))
((peval q a b c) a)
((peval r . c) a)
((peval s . ) .)

The number of arguments to peval will be one plus the number of arguments of the function being partially evaluated. The number of arguments to the resulting function will be the number of missing arguments in the initial call.