ABPlusTest –

X = aba+ba Member?: True

X = b+ba+bb Member?: True

X = ab++ba+a Member?: False

X = +aab+bba Member?: False

X = b+abb+ab+ Member?: False

X = a+bbc+bba Member?: False

ContainsABA-

X = abaaba Member? True

X = bbaabbb Member? False

X = abbababa Member? True

X = aabbbbaa Member? False

X = baababcab Member? False

DivisibleBy7:

X = 382 Member? False

X = 749 Member? True

X = 2977 Member? False

X = 9989 Member? True

X = 52878 Member? True

X = 616 Member? True

OddPLaindrome-

X = abaaba Member?: False

X = bbaabbb Member?: False

X = abababa Member?: True

X = aabcbaa Member?: True

X = baabbbaab Member?: True

PowerOf2- (Do we care about formatting?)

X = 128.0 Member? True

X = 257.0 Member? False

X = 1023.0 Member? False

X = 8192.0 Member? True

X = 65536.0 Member? True

SumXy-

X = 12 Member? False

X = 51 Member? True

X = 137 Member? True

X = 364 Member? False

X = 589 Member? True