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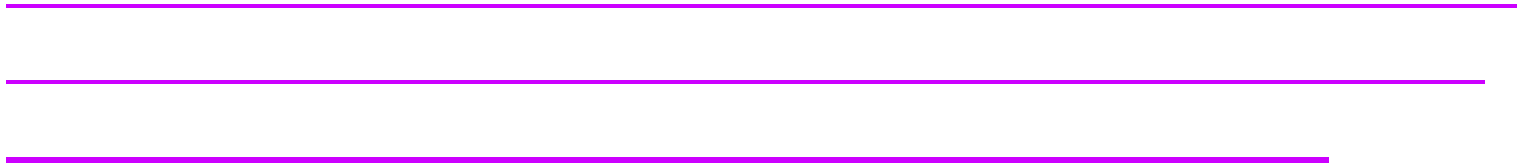
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Bugs, crashes

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Bugs, crashes

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 Abraham Lincoln

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 . (ii) Lincoln 1670
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 . (iv) , Lincoln 1520

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%photo.jpg+

Microsoft Excel

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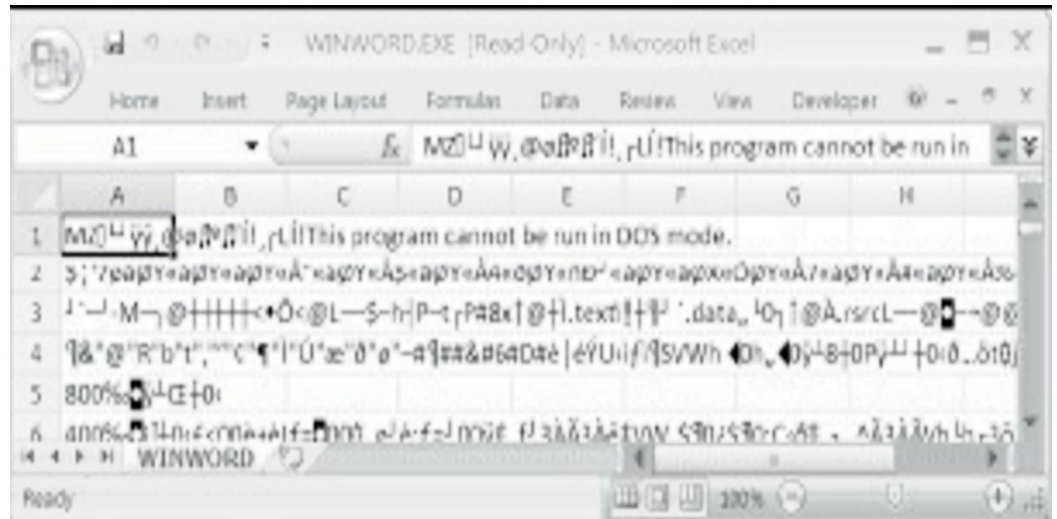
%executable+=%o +)

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Microsoft Excel

Microsoft Word

%WINWORD.EXE+õ

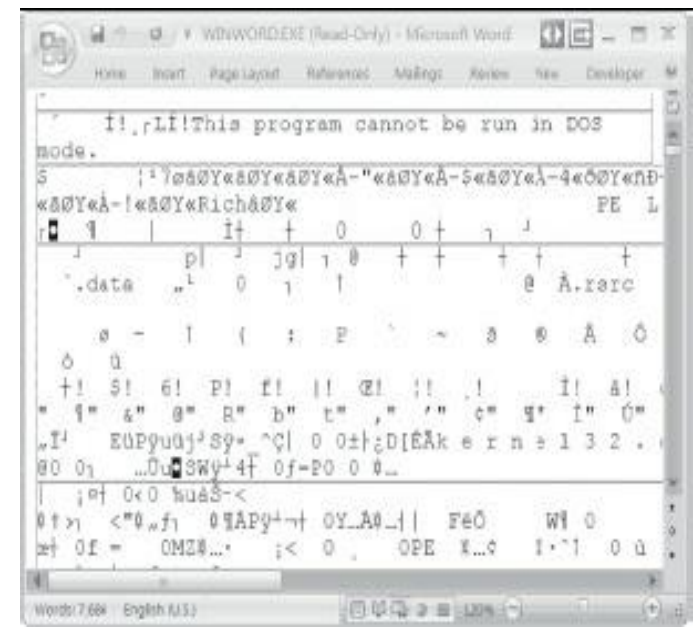


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Microsoft Word
WINWORD.EXE

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ProgramA.exe

ProgramB.exe

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SizeChecker.exe

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%o +



> 10

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SizeChecker.exe

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NameSize.exe

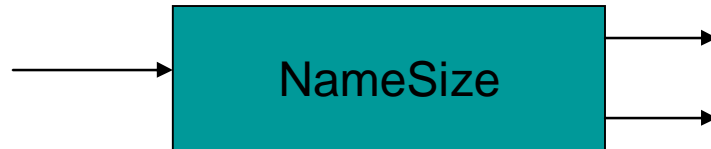
%oo +

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%oo +

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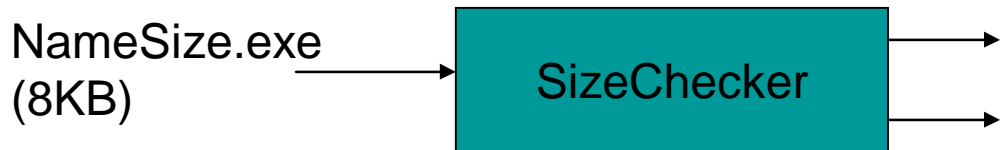
NameSize.exe

« »

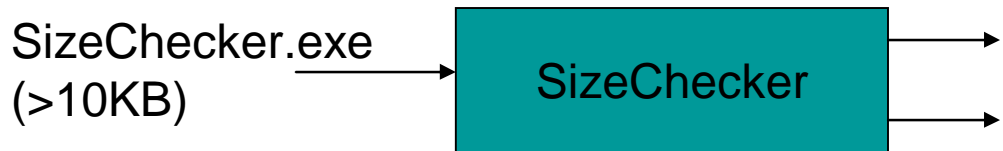
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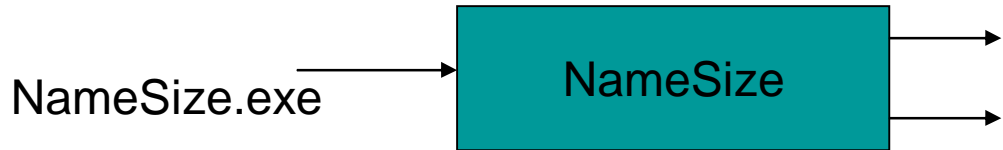
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> 10

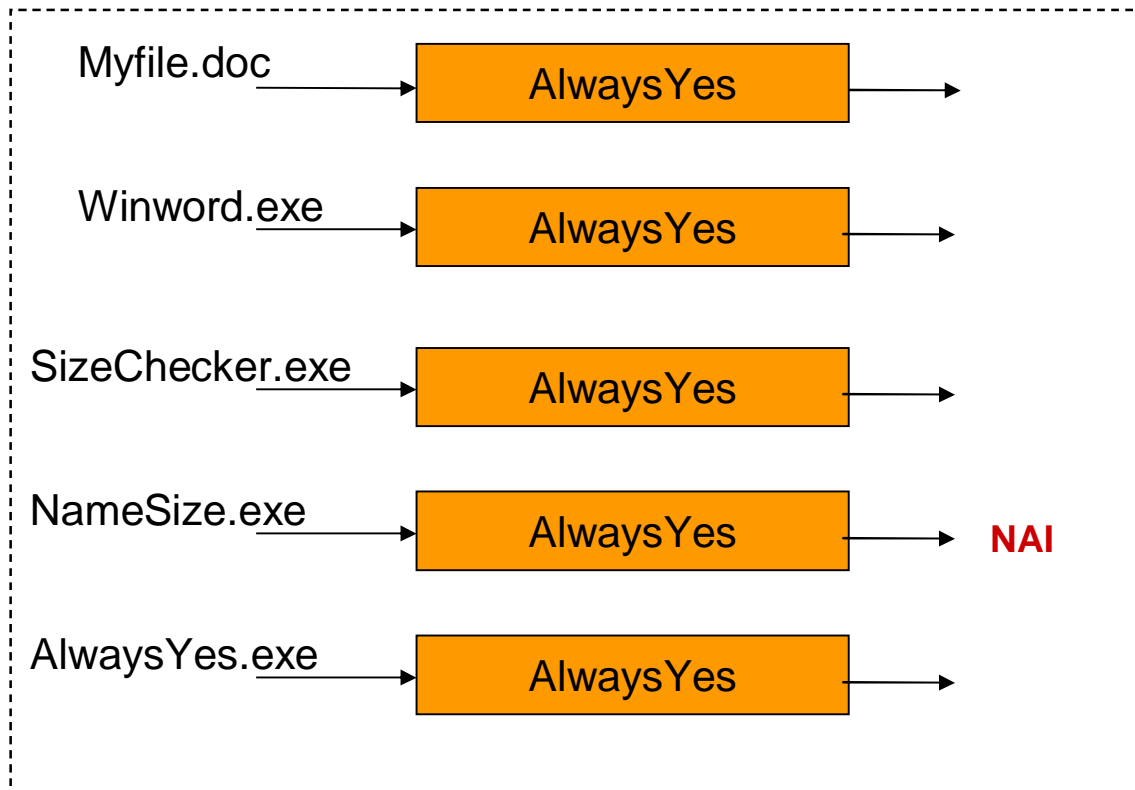


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AlwaysYes.exe:

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AlwaysYes.exe

Freeze.exe

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“ Freeze.exe %00 +
. . . , ( « »)
. , (kill)
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. (%leadlock+)
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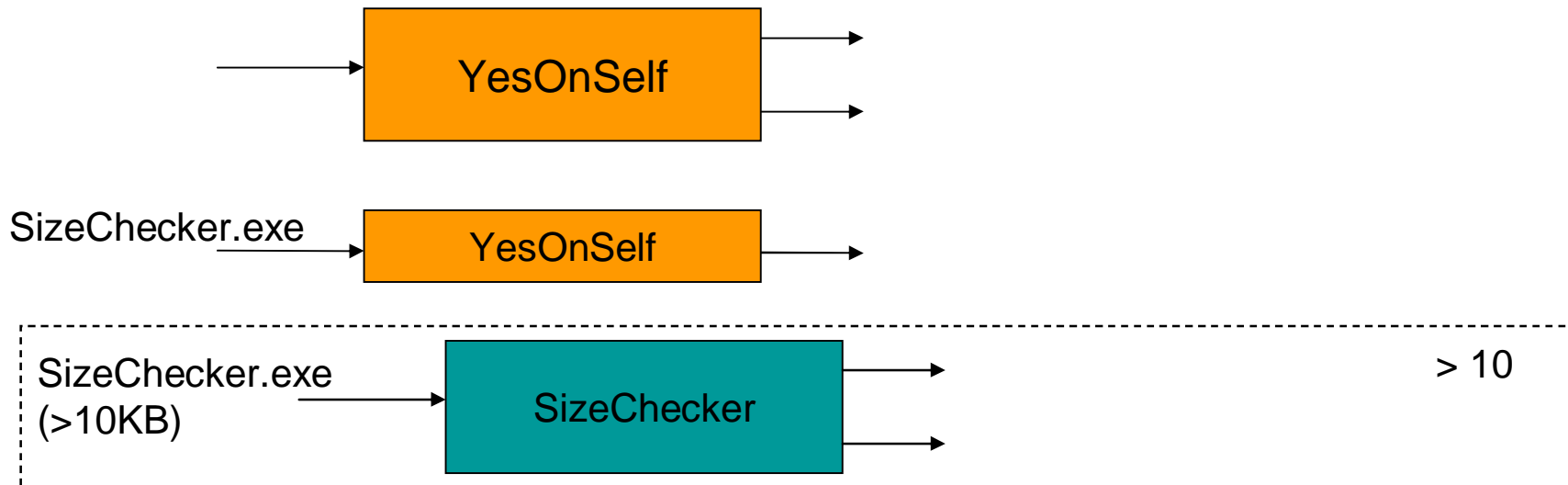
AlwaysYes(Freeze.exe)???



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YesOnSelf.exe

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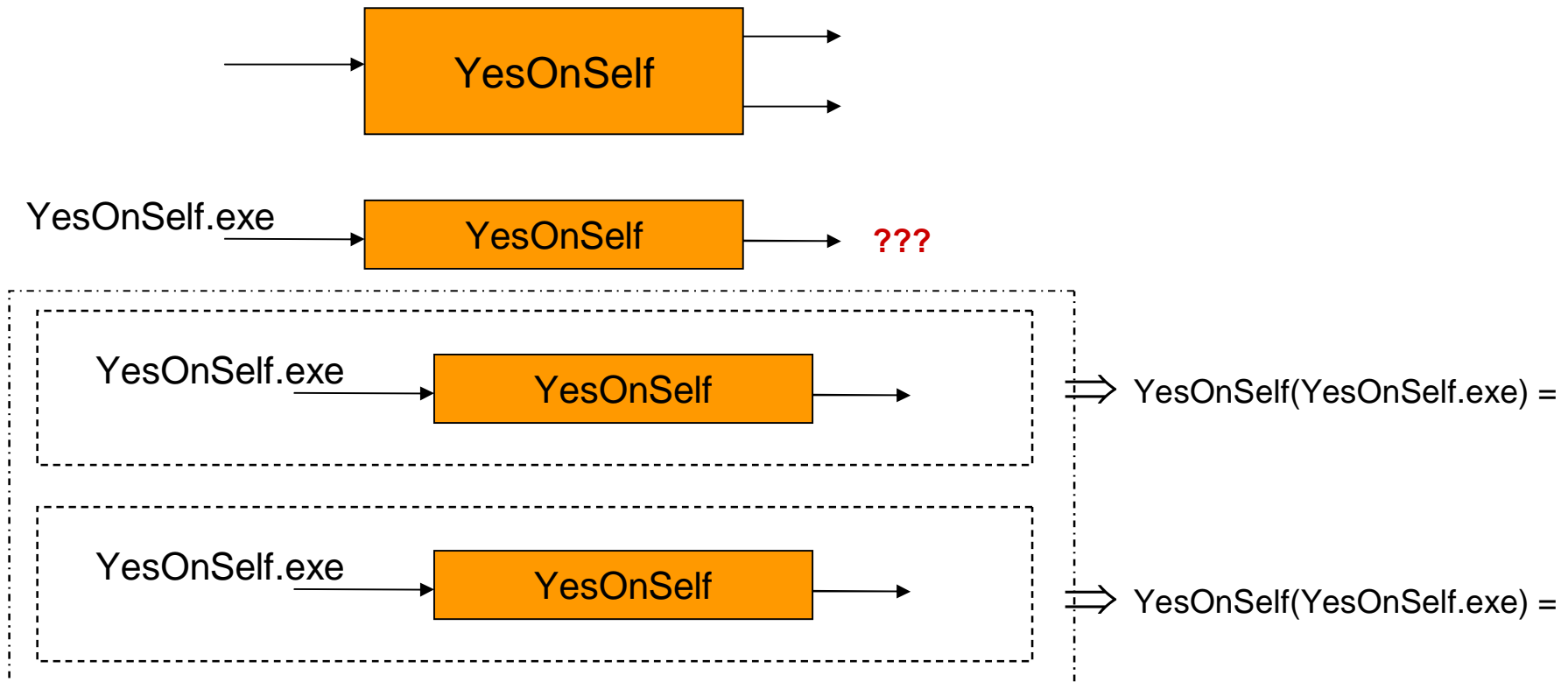


YesOnSelf(mymovie.mpg) =
YesOnSelf(address-list.docx) =
YesOnSelf(WINWORD.EXE) =
YesOnSelf(ProgramA.exe) =
YesOnSelf(ProgramB.exe) =

YesOnSelf(NameSize.exe) =
YesOnSelf(SizeChecker.exe) =
YesOnSelf(Freeze.exe) =
YesOnSelf(AlwaysYes.exe) =
YesOnSelf(YesOnSelf.exe) = ???

YesOnSelf(YesOnSelf.exe)=???

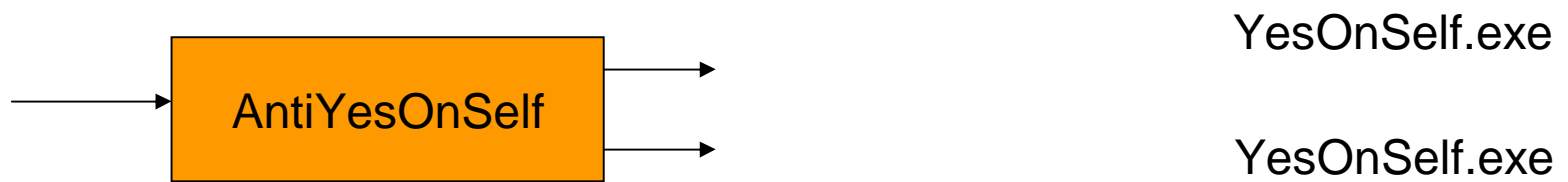
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., YesOnSelf.exe

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AntiYesOnSelf.exe



AntiYesOnSelf.exe

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AntiYesOnSelf.exe



YesOnSelf.exe

YesOnSelf.exe

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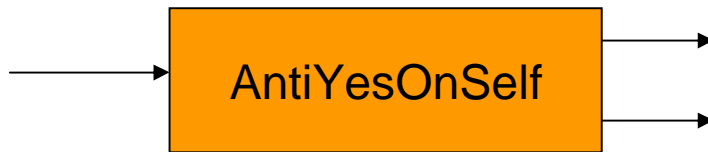
AntiYesOnSelf(address-list.docx) =
AntiYesOnSelf(mymovie.mpg) =
AntiYesOnSelf(WINWORD.EXE) =
AntiYesOnSelf(ProgramA.exe) =
AntiYesOnSelf(ProgramB.exe) =
AntiYesOnSelf(NameSize.exe) =
AntiYesOnSelf(SizeChecker.exe) =
AntiYesOnSelf(Freeze.exe) =
AntiYesOnSelf(AlwaysYes.exe) =
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AntiYesOnSelf(AntiYesOnSelf.exe)=???

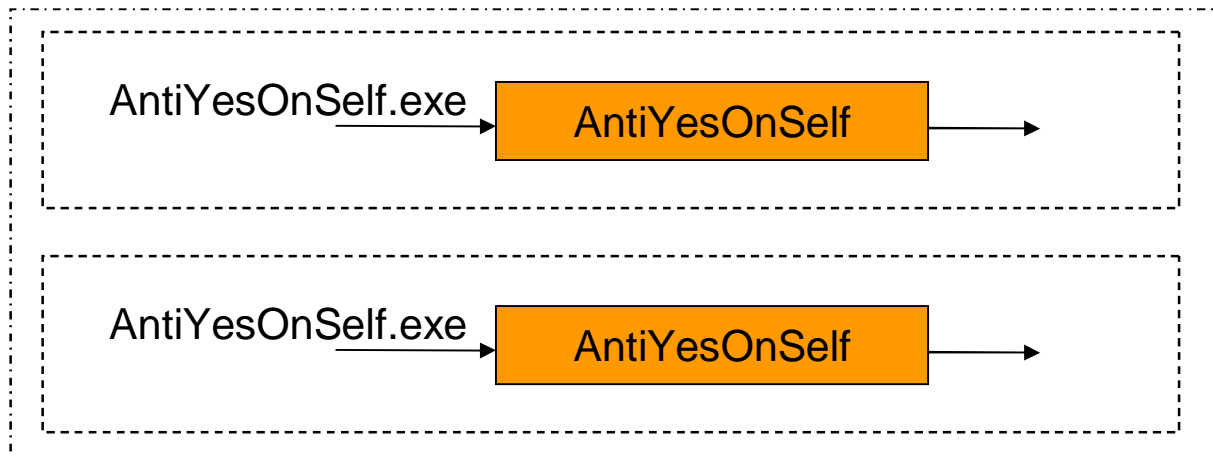
YesOnSelf.exe

YesOnSelf.exe



AntiYesOnSelf.exe,

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⇒ YesOnSelf(AntiYesOnSelf.exe) =

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⇒ YesOnSelf(AntiYesOnSelf.exe) =

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AntiYesOnSelf.exe

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AntiYesOnSelf.exe

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AntiYesOnSelf.exeõ ⇒
YesOnSelf.exe ⇒
AlwaysYes.exe

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AlwaysYes.exe

YesOnSelf.exe

AntiYesOnSelf.exe

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AntiYesOnSelf.exe
AlwaysYes.exe

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YesOnSelf.exe

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(crashes)

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CanCrash.exe

(crash)

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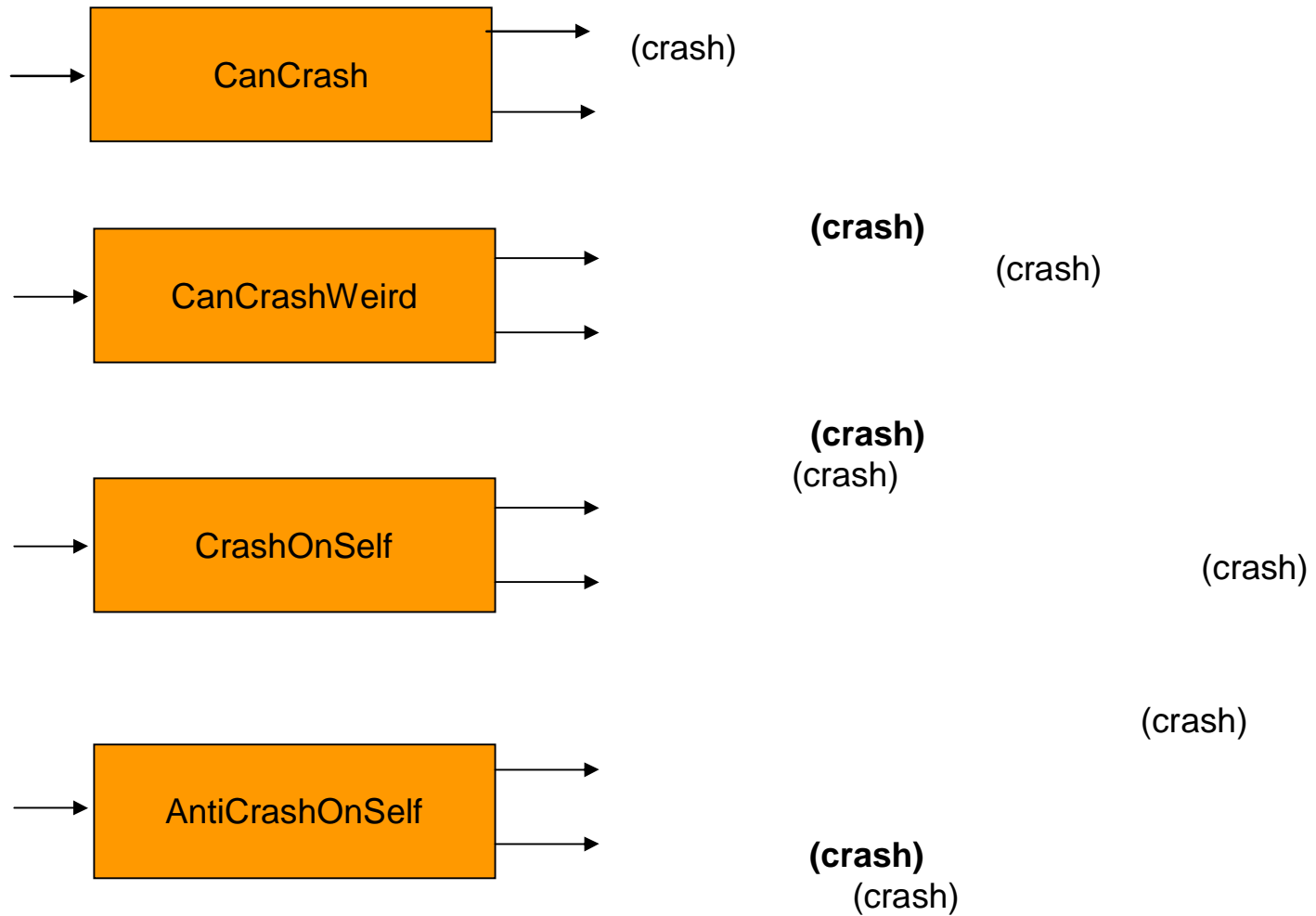
(crash)

CanCrash.exe

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" ã ; (crashes)
" 0: 0 ,
%o +(%,undefined+)
" , %o +
(%undefined+)
" : (crashes)
TroubleMaker.exe
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CanCrash.exe

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CanCrash.exe

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AntiCrashOnSelf.exe

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%o +

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%o +

(crash)

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AntiCrashOnSelf.exe

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AntiCrashOnSelf.exe

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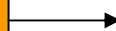
CanCrash.exe

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AntiCrashOnSelf.exeõ)

AntiCrashOnSelf.exe



(crash)

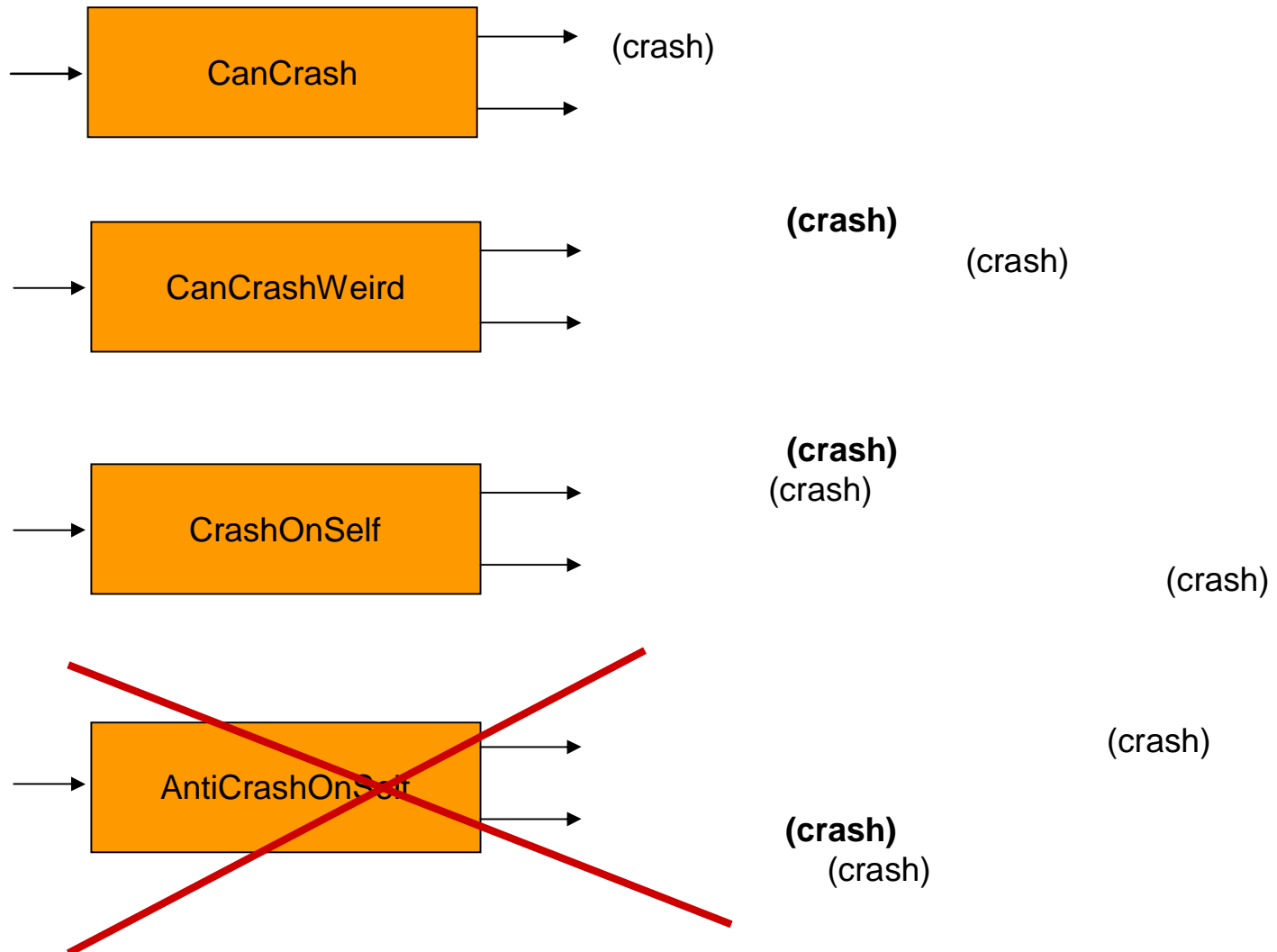


(crash)

(crash)

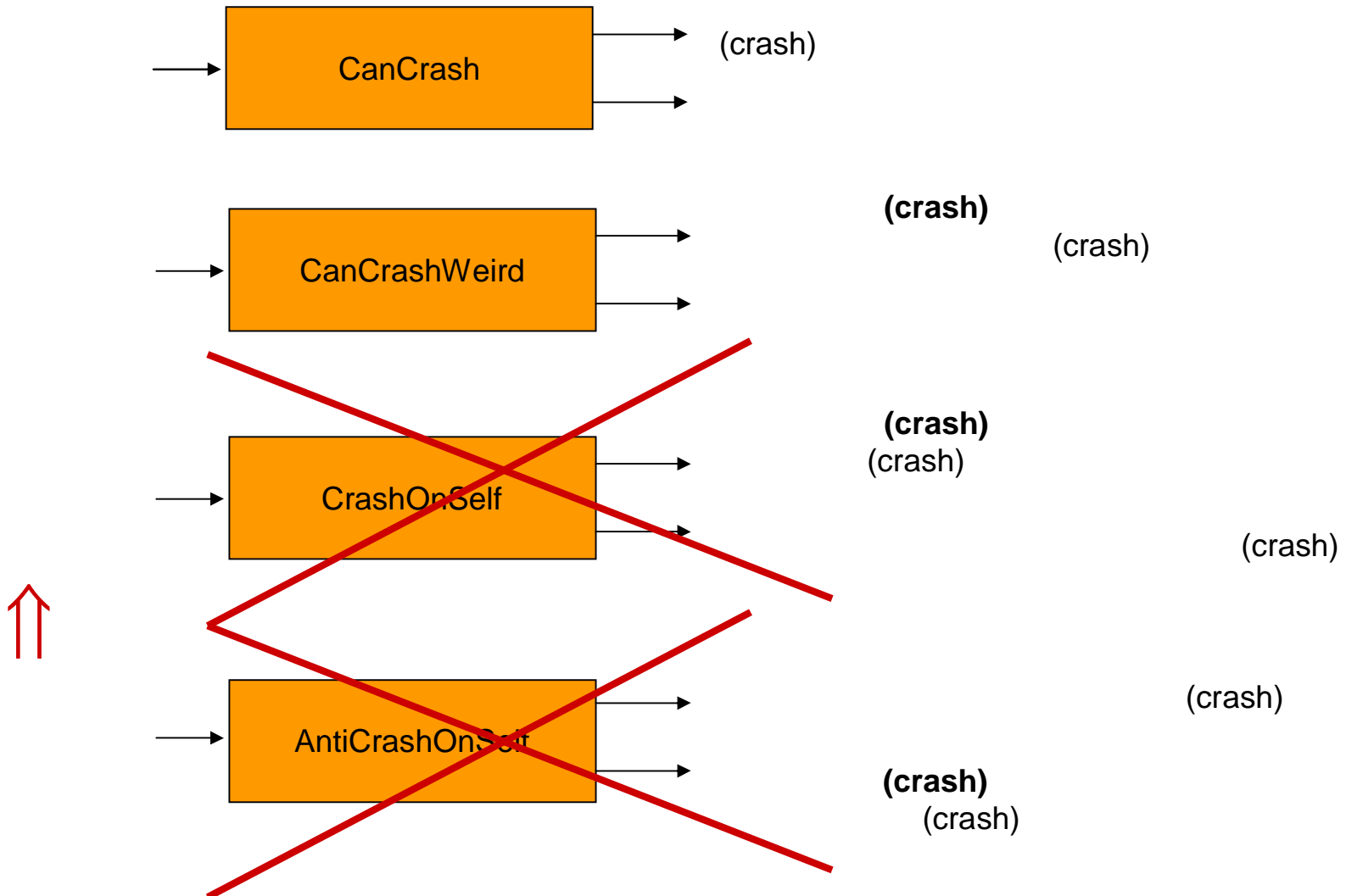
CanCrash.exe

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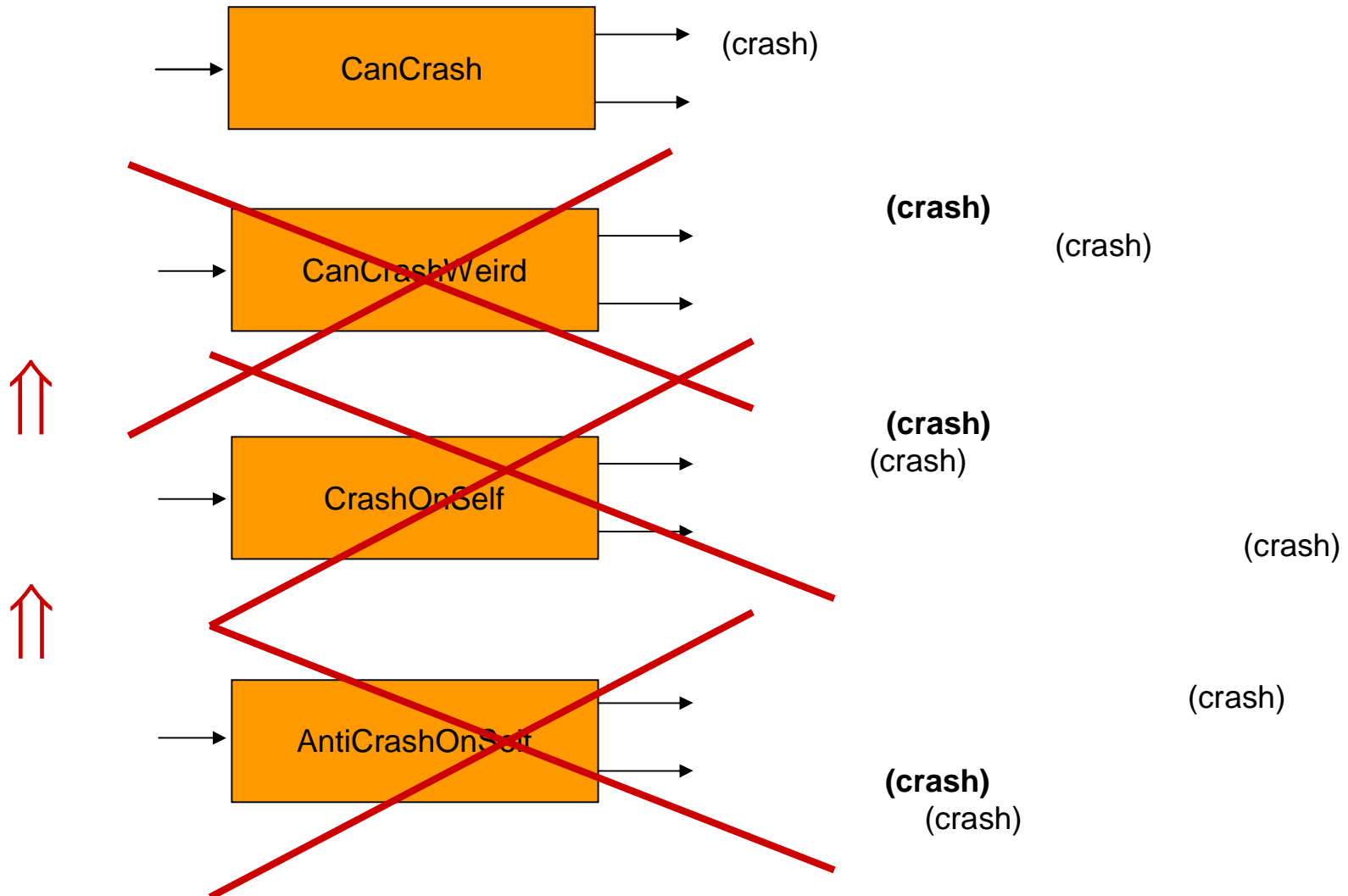
CanCrash.exe

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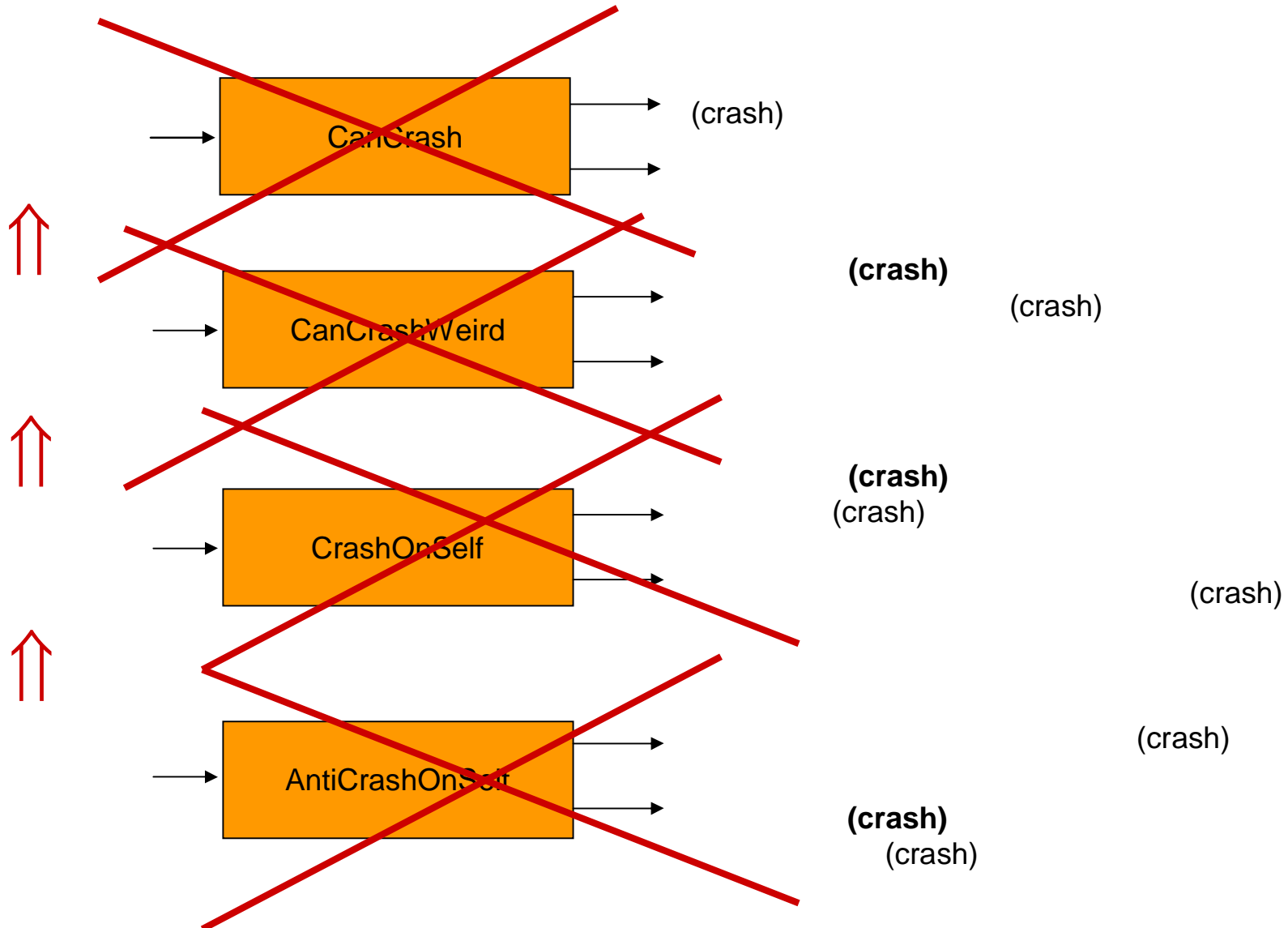
CanCrash.exe

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CanCrash.exe

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problem)

(Halting

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(crash) (bugs)

” Alan Turing,

1930

(crashes)

(bugs)

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... Turing

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(Halting Problem):

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(Crashing Problem)

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problem)

(Halting

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Alan Turing
(Halting Problem)

%o

+(%undecidable+)

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. Turing :

AlwaysHalts.exe

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%o +

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(Crashing Problem):

(Halting Problem)

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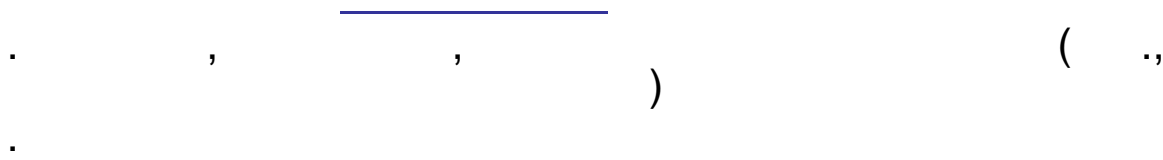
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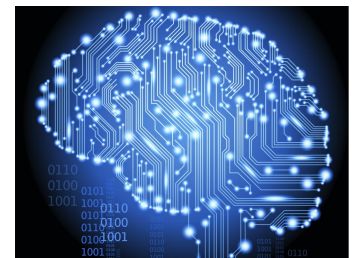
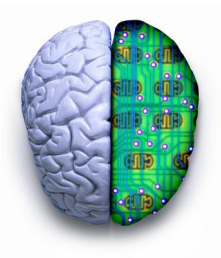
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Alan Turing
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1937

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Entscheidungsproblem+ (On computable numbers with an application to the Entscheidungsproblem+)

Entscheidungsproblem: « »

David Hilbert 1928

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Alan Turing

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