

# Test Generation Report

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## 1 Pass rates

Compare the result of each executable with msdscript on 100 random test cases and calculate the pass rate.

Table 1. Pass rates of each executable in different modes

executable	Pass rate		
	interp	print	pretty_print
msdscript	100%	100%	100%
msdscript0	0%	0%	0%
msdscript1	0%	0%	0%
msdscript2	75%	100%	96%
msdscript3	100%	67%	94%
msdscript4	100%	100%	92%
msdscript5	100%	100%	93%
msdscript6	100%	100%	82%
msdscript7	100%	100%	98%

## 2 Failed cases

msdscript0

interp	555212496
print	402989976
pretty_print	494754582

msdscript1

interp	933679450 * 1476884587
print	1749669597
pretty_print	769772867

msdscript2

interp	310975731 + 1236318797 * (103382178 + 59148361)
print	N/A
pretty_print	(671731557 * (_let ePe = 1787496870 _in 813817754) + 960989992) + 325604139

msdscript3

interp	N/A
print	1854731681 + 800787045 * (315322694 + _let ZVsc = 825633535

	<code>_in 491127884)</code>
<code>pretty_print</code>	<code>((_let koJ = _let cXwo = _let seZR = 1308810957 _in 195218960 + 433811550 _in 109502593 _in 139493215) + 251665756) + _let Nykek = 1297324679 _in 144661063</code>

#### msdscript4

<code>interp</code>	N/A
<code>print</code>	N/A
<code>pretty_print</code>	<code>(1376253263 * 300293917) * 1208731545 * 1907334874 + 238357186 + 697999752 * 1079236327</code>

#### msdscript5

<code>interp</code>	N/A
<code>print</code>	N/A
<code>pretty_print</code>	<code>710632755 * (1726832638 + (43869802 * 1549105906) * (_let Pqy = 442529360 _in 1557304139) + 1712153506)</code>

#### msdscript6

<code>interp</code>	N/A
<code>print</code>	N/A
<code>pretty_print</code>	<code>((_let PZLi = 315224553 _in PZLi + 571866132 + _let am = 1516129174 + 187444460 _in 951997278 * am) * 1466120201) * 1506685578</code>

#### msdscript7

<code>interp</code>	N/A
<code>print</code>	N/A
<code>pretty_print</code>	<code>(_let JPTZF = 418347551 _in _let Bk = 437944066 + 1657996563 _in 1091741134) + (_let i = (78335409 + (1648897928 * 1704371899) * 441312580) + 1443382507 _in 629039131 * i) + ((1204557629 + 1758543973) + 627685920) + 711104262</code>