

Alpha-Beta Pruning

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Pure_order: 照0, 1, 2, 3, 4, 5 或7, 8, 9, 10, 11, 12 的優先順序

Reverse_order: 照5, 4, 3, 2, 1, 0 或12, 11, 10, 9, 8, 7 的優先順序

ExtramoveFirst_sort: 可有額外回合的優先, 相等時依pure_order

EmptycaptureFirst_sort: 可有額外回合的優先, 相等時依pure_order

StoredFirst_sort: 可種到store的優先, 相等時依pure_order

Comprehensive_sort: 綜合以上4種新策略, extra move優先、相等再以empty capture優先、相等再以可種到store的優先, 相等再依Reverse_order

5個測資結果由上而下:

	deep 8	deep 10	deep 12	deep 14	deep 16	deep 18	deep 20	deep 22	deep 24	deep 26	deep 28	deep 30	deep 32
Without Pruning	139078	2646950	49667211	906160446									
Pure_order	9342	78466	405370	3121954	23431754	123759530	779809248						
Reverse_order	1783	7135	24980	75746	215078	688477	1552812	4201399	8179634	17760495	36370059	54320001	
Comprehensive_sort	1120	3740	10542	26469	68690	159320	378608	1102841	2347049	5120743	10824829	21695744	49642764
Without Pruning	104508	1899484	33749160	577697763									
Pure_order	10223	92197	589564	3305880	19664742	97663124	479006918						
Reverse_order	2088	6749	16566	42579	127363	334219	738198	1737607	3942355	9145988	20837851	44707296	
Comprehensive_sort	816	1959	5089	10404	29226	72719	163117	311599	778608	1785456	3784829	7514285	19994276
Without Pruning	179129	4147291	93977634	2048044413									
Pure_order	7024	84913	891849	5886505	46997107	326878544	2311226170						
Reverse_order	962	3954	15731	48623	157257	649401	1732166	6189912	22564709	69563518	216424901	545715350	
Comprehensive_sort	217	458	1147	3188	8417	27231	71905	164936	672959	1362153	3277173	7954279	17223138
Without Pruning	183525	3818923	76689226	1517857984									
Pure_order	8543	55403	450539	2202941	22495172	131402013	814202818						
Reverse_order	2746	9663	52345	221802	705328	2815970	9996952	31845488	140429959	380939161	1279038184	2871122983	
Comprehensive_sort	670	3140	15912	39294	84295	235158	611165	2082117	6250610	18622971	42772886	100498182	252801834
Without Pruning	232376	4567908	88554078	1696563984									
Pure_order	10785	81570	679559	5320541	30687445	162843604	1142707077						
Reverse_order	2240	8043	29773	128666	380239	1293782	4832975	13437562	31961921	81924207	174753868	447583459	
Comprehensive_sort	589	1854	8298	27562	66979	156101	424624	874029	2113070	5170193	11709104	31152457	82409909

(要看其他三種可以自行將程式第382行的 $s < 3$ 改成 $s < 6$)

每種策略和測資對深度大致都呈等比數列, 越好的策略上升倍率越低, 因此深度越深時不同策略間的比值會差越多