

Table 1: Statistical comparison between each pair of CRAG configurations in terms of *#fail*. (Legend.  $\equiv$ : no significant difference between the two approaches.  $\checkmark$ : the approach on the row is *better* than the one on column,  $\times$  means that it is worse; the number of symbols identifies the strength of the difference: *negligible* ( $\checkmark$ ,  $\times$ ), *small* ( $\checkmark\checkmark$ ,  $\times\times$ ), *medium* ( $\checkmark\checkmark\checkmark$ ,  $\times\times\times$ ), *large* ( $\checkmark\checkmark\checkmark\checkmark$ ,  $\times\times\times\times$ ))

(a) Random search

	S4N4M4RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	S4N4M4RS <sub>min</sub> 0.2RS <sub>max</sub> 2	S4N4M4RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	S4N4M4RS <sub>min</sub> 0.6RS <sub>max</sub> 2	S4N4M5RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	S4N4M5RS <sub>min</sub> 0.2RS <sub>max</sub> 2	S4N4M5RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	S4N4M5RS <sub>min</sub> 0.6RS <sub>max</sub> 2	S5N5M4RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	S5N5M4RS <sub>min</sub> 0.2RS <sub>max</sub> 2	S5N5M4RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	S5N5M4RS <sub>min</sub> 0.6RS <sub>max</sub> 2	S5N5M5RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	S5N5M5RS <sub>min</sub> 0.2RS <sub>max</sub> 2	S5N5M5RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	S5N5M5RS <sub>min</sub> 0.6RS <sub>max</sub> 2
S4N4M4RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	-	=	XXX	=	=	=	=	=	=	=	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
S4N4M4RS <sub>min</sub> 0.2RS <sub>max</sub> 2	=	-	XXXX	=	XXX	=	XXXX	=	XXXX	=	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
S4N4M4RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	✓✓✓	✓✓✓✓	-	✓✓✓	=	✓✓✓✓	=	=	=	=	XXXX	XKK	=	=	XXXX	KXX
S4N4M4RS <sub>min</sub> 0.6RS <sub>max</sub> 2	=	=	XXX	-	=	=	XXX	=	XXX	=	XXXK	XXXXX	XXXX	XXX	XXXX	XXXX
S4N4M5RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	=	✓✓	=	=	-	=	=	=	=	=	XXXXX	XXXXX	XXX	=	XXXX	XXXX
S4N4M5RS <sub>min</sub> 0.2RS <sub>max</sub> 2	=	=	XXXX	=	=	=	XXX	=	XXX	=	XXXXX	XXXXX	XXXX	XXX	XXXX	XXXX
S4N4M5RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	=	✓✓✓✓	=	✓✓✓	=	✓✓✓	-	=	=	=	XXXXX	XXXXX	=	=	XXXX	XXXX
S4N4M5RS <sub>min</sub> 0.6RS <sub>max</sub> 2	=	✓✓✓	=	=	=	=	=	=	=	=	XXXXX	XXXXX	XXX	=	XXXX	XXXX
S5N5M4RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	=	✓✓✓✓	=	✓✓✓	=	✓✓✓	=	=	-	=	XXXXX	XXXXX	=	=	XXXX	XXXX
S5N5M4RS <sub>min</sub> 0.2RS <sub>max</sub> 2	=	✓✓✓✓	=	✓✓✓	=	✓✓✓	=	=	=	-	XXXXX	XXX	=	=	XXXX	KXX
S5N5M4RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	-	-	✓✓✓✓	✓✓✓✓	=	=
S5N5M4RS <sub>min</sub> 0.6RS <sub>max</sub> 2	✓✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓	=	=	✓✓✓	✓✓✓	=	=
S5N5M5RS <sub>min</sub> 0.2RS <sub>max</sub> 1.5	✓✓✓✓	✓✓✓✓	=	✓✓✓	✓✓✓	✓✓✓✓	=	✓✓✓	=	=	XXXXX	XXX	-	=	XXXX	=
S5N5M5RS <sub>min</sub> 0.2RS <sub>max</sub> 2	✓✓✓	✓✓✓✓	=	✓✓✓	=	✓✓✓	=	=	=	=	XXXXX	XXX	=	-	XXXX	XXX
S5N5M5RS <sub>min</sub> 0.6RS <sub>max</sub> 1.5	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	=	=	✓✓✓✓	✓✓✓✓	-	-
S5N5M5RS <sub>min</sub> 0.6RS <sub>max</sub> 2	✓✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓	=	=	=	✓✓✓	=	-

(b)  $(1+1)$ -EA

	$S4N4M4RS_{\min}, 0.2RS_{\max}, 1.5$	$S4N4M4RS_{\min}, 0.2RS_{\max}, 2$	$S4N4M4RS_{\min}, 0.6RS_{\max}, 1.5$	$S4N4M4RS_{\min}, 0.6RS_{\max}, 2$	$S4N4M4RS_{\min}, 0.2RS_{\max}, 1.5$	$S4N4M4RS_{\min}, 0.2RS_{\max}, 2$	$S4N4M4RS_{\min}, 0.6RS_{\max}, 1.5$	$S4N4M4RS_{\min}, 0.6RS_{\max}, 2$	$S5N5M4RS_{\min}, 0.2RS_{\max}, 1.5$	$S5N5M4RS_{\min}, 0.2RS_{\max}, 2$	$S5N5M4RS_{\min}, 0.6RS_{\max}, 1.5$	$S5N5M4RS_{\min}, 0.6RS_{\max}, 2$	$S5N5M5RS_{\min}, 0.2RS_{\max}, 1.5$	$S5N5M5RS_{\min}, 0.2RS_{\max}, 2$	$S5N5M5RS_{\min}, 0.6RS_{\max}, 1.5$	$S5N5M5RS_{\min}, 0.6RS_{\max}, 2$
$S4N4M4RS_{\min}, 0.2RS_{\max}, 1.5$	-	≡	XXX	≡	≡	≡	XXXX	≡	≡	≡	XXXX	XXXX	XXXX	≡	XXXX	XXXX
$S4N4M4RS_{\min}, 0.2RS_{\max}, 2$	≡	-	XXXX	XXX	XXX	≡	XXXX	XXX	XXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
$S4N4M4RS_{\min}, 0.6RS_{\max}, 1.5$	✓✓✓	✓✓✓	-	✓✓✓	≡	✓✓✓	≡	≡	≡	≡	XXXX	XXXX	≡	≡	XXX	XXX
$S4N4M4RS_{\min}, 0.6RS_{\max}, 2$	≡	✓✓✓	≡	-	≡	✓✓✓	≡	≡	≡	≡	XXXX	XXXX	XXX	≡	XXXX	XXXX
$S4N4M5RS_{\min}, 0.2RS_{\max}, 1.5$	≡	✓✓✓	≡	≡	-	≡	XXX	≡	≡	≡	XXXX	XXXX	XXXX	≡	XXXX	XXXX
$S4N4M5RS_{\min}, 0.2RS_{\max}, 2$	≡	≡	XXXX	XXX	≡	-	XXXX	XXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
$S4N4M5RS_{\min}, 0.6RS_{\max}, 1.5$	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓✓	-	✓✓✓	XXX	XXXX	XXX	XXXX	XXXX	XXXX	XXXX	XXXX
$S4N4M5RS_{\min}, 0.6RS_{\max}, 2$	≡	✓✓✓	≡	≡	≡	≡	XXX	-	≡	≡	XXXX	XXXX	XXXX	≡	XXXX	XXXX
$S5N5M4RS_{\min}, 0.2RS_{\max}, 1.5$	≡	✓✓✓	≡	≡	≡	✓✓✓	✓✓✓	≡	-	≡	XXXX	XXX	XXX	≡	XXXX	XXX
$S5N5M4RS_{\min}, 0.2RS_{\max}, 2$	≡	✓✓✓✓	≡	≡	≡	✓✓✓✓	✓✓✓✓	≡	≡	-	XXXX	XXX	XXX	≡	XXX	XXX
$S5N5M4RS_{\min}, 0.6RS_{\max}, 1.5$	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	-	≡	✓✓✓	✓✓✓✓	≡	≡
$S5N5M4RS_{\min}, 0.6RS_{\max}, 2$	✓✓✓✓	✓✓✓✓	≡	✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	≡	-	✓✓✓	≡	≡	≡
$S5N5M5RS_{\min}, 0.2RS_{\max}, 1.5$	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	XXX	≡	✓✓✓	≡	≡	≡
$S5N5M5RS_{\min}, 0.2RS_{\max}, 2$	≡	✓✓✓✓	≡	≡	≡	✓✓✓	≡	≡	≡	XXXX	XXX	XXX	-	XXXX	XXXX	XXXX
$S5N5M5RS_{\min}, 0.6RS_{\max}, 1.5$	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	≡	≡	✓✓✓✓	≡	-	-
$S5N5M5RS_{\min}, 0.6RS_{\max}, 2$	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓	✓✓✓	≡	≡	✓✓✓✓	✓✓✓✓	-	-

Table 2: Statistical comparison between each pair of **CRAG** configurations in terms of  $|Tests|$ . (Legend.  $\equiv$ : no significant difference between the two approaches.  $\checkmark$ : the approach on the row is *better* than the one on column,  $\times$  means that it is worse; the number of symbols identifies the strength of the difference: *negligible* ( $\checkmark$ ,  $\times$ ), *small* ( $\checkmark\checkmark$ ,  $\times\times$ ), *medium* ( $\checkmark\checkmark\checkmark$ ,  $\times\times\times$ ), *large* ( $\checkmark\checkmark\checkmark\checkmark$ ,  $\times\times\times\times$ ))

(a) Random search

	$S4N4M4RS_{min}0.2RS_{max}1.5$	$S4N4M4RS_{min}0.2RS_{max}2$	$S4N4M4RS_{min}0.6RS_{max}1.5$	$S4N4M4RS_{min}0.6RS_{max}2$	$S4N4M5RS_{min}0.2RS_{max}1.5$	$S4N4M5RS_{min}0.2RS_{max}2$	$S4N4M5RS_{min}0.6RS_{max}1.5$	$S4N4M5RS_{min}0.6RS_{max}2$	$S5N5M4RS_{min}0.2RS_{max}1.5$	$S5N5M4RS_{min}0.2RS_{max}2$	$S5N5M4RS_{min}0.6RS_{max}1.5$	$S5N5M4RS_{min}0.6RS_{max}2$	$S5N5M5RS_{min}0.2RS_{max}1.5$	$S5N5M5RS_{min}0.2RS_{max}2$	$S5N5M5RS_{min}0.6RS_{max}1.5$	$S5N5M5RS_{min}0.6RS_{max}2$
$S4N4M4RS_{min}0.2RS_{max}1.5$	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M4RS_{min}0.2RS_{max}2$	XXXX	-	✓✓✓✓	✓✓✓✓	---	---	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M4RS_{min}0.6RS_{max}1.5$	XXXX	XXX	-	✓✓✓✓	XXXX	XXX	---	✓✓✓✓	XXXX	---	---	✓✓✓✓	XXXX	---	---	✓✓✓✓
$S4N4M4RS_{min}0.6RS_{max}2$	XXXX	XXXX	XXXX	-	XXXX	XXXX	---	---	XXXX	XXXX	XXXX	---	XXXX	XXXX	---	---
$S4N4M5RS_{min}0.2RS_{max}1.5$	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	-	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M5RS_{min}0.2RS_{max}2$	XXXX	---	✓✓✓✓	XXXX	-	✓✓✓✓	XXXX	XXXX	✓✓✓✓	✓✓✓✓	✓✓✓✓	XXXX	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M5RS_{min}0.6RS_{max}1.5$	XXXX	XXX	---	✓✓✓✓	XXXX	XXXX	✓✓✓✓	✓✓✓✓	XXXX	---	---	✓✓✓✓	XXXX	---	---	✓✓✓✓
$S4N4M5RS_{min}0.6RS_{max}2$	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	-	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	---
$S5N5M4RS_{min}0.2RS_{max}1.5$	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	-	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S5N5M4RS_{min}0.2RS_{max}2$	XXXX	---	---	XXXX	XXX	---	✓✓✓✓	✓✓✓✓	-	XXXX	-	✓✓✓✓	XXXX	---	---	✓✓✓✓
$S5N5M4RS_{min}0.6RS_{max}1.5$	XXXX	XXX	---	✓✓✓✓	XXXX	XXX	---	✓✓✓✓	XXXX	---	-	✓✓✓✓	XXXX	---	---	✓✓✓✓
$S5N5M4RS_{min}0.6RS_{max}2$	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	---
$S5N5M5RS_{min}0.2RS_{max}1.5$	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	---	✓✓✓✓	✓✓✓✓	✓✓✓✓	-	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S5N5M5RS_{min}0.2RS_{max}2$	XXXX	XXX	---	✓✓✓✓	XXXX	XXX	---	✓✓✓✓	XXXX	---	---	✓✓✓✓	XXXX	-	---	✓✓✓✓
$S5N5M5RS_{min}0.6RS_{max}1.5$	XXXX	---	---	✓✓✓✓	XXXX	XXX	---	✓✓✓✓	XXXX	---	---	✓✓✓✓	XXXX	---	-	✓✓✓✓
$S5N5M5RS_{min}0.6RS_{max}2$	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	---	XXXX	XXXX	XXXX	-

(b)  $(1+1)$ -EA

	$S4N4M4RS_{min}0.2RS_{max}1.5$	$S4N4M4RS_{min}0.2RS_{max}2$	$S4N4M4RS_{min}0.6RS_{max}1.5$	$S4N4M4RS_{min}0.6RS_{max}2$	$S4N4M5RS_{min}0.2RS_{max}1.5$	$S4N4M5RS_{min}0.2RS_{max}2$	$S4N4M5RS_{min}0.6RS_{max}1.5$	$S4N4M5RS_{min}0.6RS_{max}2$	$S5N5M4RS_{min}0.2RS_{max}1.5$	$S5N5M4RS_{min}0.2RS_{max}2$	$S5N5M4RS_{min}0.6RS_{max}1.5$	$S5N5M4RS_{min}0.6RS_{max}2$	$S5N5M5RS_{min}0.2RS_{max}1.5$	$S5N5M5RS_{min}0.2RS_{max}2$	$S5N5M5RS_{min}0.6RS_{max}1.5$	$S5N5M5RS_{min}0.6RS_{max}2$
$S4N4M4RS_{min}0.2RS_{max}1.5$	-	✓✓✓✓	✓✓✓✓	✓✓✓✓	===	✓✓✓✓	===	✓✓✓✓	===	✓✓✓✓	✓✓✓✓	✓✓✓✓	===	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M4RS_{min}0.2RS_{max}2$	XXXX	-	===	✓✓✓✓	XXXX	===	===	✓✓✓✓	XXXX	===	✓✓✓✓	XXXX	===	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M4RS_{min}0.6RS_{max}1.5$	XXXX	XXXX	XXXX	-	XXXX	XXXX	XXXX	===	XXXX	XXXX	XXXX	✓✓✓✓	XXXX	===	✓✓✓✓	✓✓✓✓
$S4N4M5RS_{min}0.2RS_{max}1.5$	===	✓✓✓✓	✓✓✓✓	✓✓✓✓	-	✓✓✓✓	✓✓✓✓	✓✓✓✓	===	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M5RS_{min}0.2RS_{max}2$	XXXX	===	===	✓✓✓✓	XXXX	-	===	✓✓✓✓	XXXX	===	✓✓✓✓	XXXX	===	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M5RS_{min}0.6RS_{max}1.5$	XXXX	===	===	✓✓✓✓	XXXX	===	-	✓✓✓✓	XXXX	===	✓✓✓✓	XXXX	===	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S4N4M5RS_{min}0.6RS_{max}2$	XXXX	XXXX	XXXX	===	XXXX	XXXX	XXXX	-	XXXX	XXXX	XXXX	===	XXXX	XXXX	XXXX	✓✓✓✓
$S5N5M4RS_{min}0.2RS_{max}1.5$	===	✓✓✓✓	✓✓✓✓	✓✓✓✓	===	✓✓✓✓	✓✓✓✓	-	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S5N5M4RS_{min}0.2RS_{max}2$	XXXX	===	===	✓✓✓✓	XXXX	===	===	✓✓✓✓	XXXX	-	===	✓✓✓✓	XXXX	===	===	✓✓✓✓
$S5N5M4RS_{min}0.6RS_{max}1.5$	XXXX	XXX	===	✓✓✓✓	XXXX	XXX	===	✓✓✓✓	XXXX	===	-	✓✓✓✓	XXXX	===	===	✓✓✓✓
$S5N5M4RS_{min}0.6RS_{max}2$	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	===	XXXX	XXXX	XXXX	-	XXXX	XXXX	XXXX	===
$S5N5M5RS_{min}0.2RS_{max}1.5$	===	✓✓✓✓	✓✓✓✓	✓✓✓✓	===	✓✓✓✓	✓✓✓✓	✓✓✓✓	===	✓✓✓✓	✓✓✓✓	✓✓✓✓	-	✓✓✓✓	✓✓✓✓	✓✓✓✓
$S5N5M5RS_{min}0.2RS_{max}2$	XXXX	===	===	✓✓✓✓	XXXX	===	===	✓✓✓✓	XXXX	===	===	✓✓✓✓	XXXX	-	===	✓✓✓✓
$S5N5M5RS_{min}0.6RS_{max}1.5$	XXXX	XXX	===	✓✓✓✓	XXXX	XXX	===	✓✓✓✓	XXXX	===	===	✓✓✓✓	XXXX	-	-	✓✓✓✓
$S5N5M5RS_{min}0.6RS_{max}2$	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXX	XXXX	XXXX	XXXX	===	XXXX	XXXX	XXXX	-

Table 3: Statistical comparison between each pair of **CRAG** configurations in terms of *div*. (Legend.  $\equiv$ : no significant difference between the two approaches.  $\checkmark$ : the approach on the row is *better* than the one on column,  $\times$  means that it is worse; the number of symbols identifies the strength of the difference: *negligible* ( $\checkmark$ ,  $\times$ ), *small* ( $\checkmark\checkmark$ ,  $\times\times$ ), *medium* ( $\checkmark\checkmark\checkmark$ ,  $\times\times\times$ ), *large* ( $\checkmark\checkmark\checkmark\checkmark$ ,  $\times\times\times\times$ ))

(a) Random search

	$S4N4M4RS_{min}0.2RS_{max}1.5$	$S4N4M4RS_{min}0.2RS_{max}2$	$S4N4M4RS_{min}0.6RS_{max}1.5$	$S4N4M4RS_{min}0.6RS_{max}2$	$S4N4M5RS_{min}0.2RS_{max}1.5$	$S4N4M5RS_{min}0.2RS_{max}2$	$S4N4M5RS_{min}0.6RS_{max}1.5$	$S4N4M5RS_{min}0.6RS_{max}2$	$S5N5M4RS_{min}0.2RS_{max}1.5$	$S5N5M4RS_{min}0.2RS_{max}2$	$S5N5M4RS_{min}0.6RS_{max}1.5$	$S5N5M4RS_{min}0.6RS_{max}2$	$S5N5M5RS_{min}0.2RS_{max}1.5$	$S5N5M5RS_{min}0.2RS_{max}2$	$S5N5M5RS_{min}0.6RS_{max}1.5$	$S5N5M5RS_{min}0.6RS_{max}2$
$S4N4M4RS_{min}0.2RS_{max}1.5$	-															
$S4N4M4RS_{min}0.2RS_{max}2$		-			XXX	XXX		XXX								
$S4N4M4RS_{min}0.6RS_{max}1.5$			-													
$S4N4M4RS_{min}0.6RS_{max}2$				-												
$S4N4M5RS_{min}0.2RS_{max}1.5$		✓✓✓			-								✓✓✓	✓✓✓	✓✓✓	✓✓✓
$S4N4M5RS_{min}0.2RS_{max}2$		✓✓✓				-					✓✓✓		✓✓✓	✓✓✓	✓✓✓	✓✓✓
$S4N4M5RS_{min}0.6RS_{max}1.5$							-									
$S4N4M5RS_{min}0.6RS_{max}2$		✓✓✓					-						✓✓✓	✓✓✓	✓✓✓	✓✓✓
$S5N5M4RS_{min}0.2RS_{max}1.5$									-							
$S5N5M4RS_{min}0.2RS_{max}2$		✓✓✓					XXX						✓✓✓	✓✓✓	✓✓✓	✓✓✓
$S5N5M4RS_{min}0.6RS_{max}1.5$											-					
$S5N5M4RS_{min}0.6RS_{max}2$												-				
$S5N5M5RS_{min}0.2RS_{max}1.5$													-			
$S5N5M5RS_{min}0.2RS_{max}2$					XXX	XXX		XXX		XXX				-		
$S5N5M5RS_{min}0.6RS_{max}1.5$					XXX	XXX		XXX		XXX					-	
$S5N5M5RS_{min}0.6RS_{max}2$					XXX	XXX		XXX		XXX						-

(b)  $(1+1)$ -EA

[illegible]

Table 4: Statistical comparison between  $(1+1)$ -EA and random search used in CRAG. (Legend.  $\equiv$ : no significant difference between the two search algorithms.  $\checkmark$ :  $(1+1)$ -EA is better than random search,  $\times$  means that it is worse; the number of symbols identifies the strength of the difference: *negligible* ( $\checkmark$ ,  $\times$ ), *small* ( $\checkmark\checkmark$ ,  $\times\times$ ), *medium* ( $\checkmark\checkmark\checkmark$ ,  $\times\times\times$ ), *large* ( $\checkmark\checkmark\checkmark\checkmark$ ,  $\times\times\times\times$ ))

(a) #fail	
$S4N4M4RS_{min}0.2RS_{max}1.5$	$\equiv$
$S4N4M4RS_{min}0.2RS_{max}2$	$\equiv$
$S4N4M4RS_{min}0.6RS_{max}1.5$	$\equiv$
$S4N4M4RS_{min}0.6RS_{max}2$	$\checkmark\checkmark\checkmark$
$S4N4M5RS_{min}0.2RS_{max}1.5$	$\equiv$
$S4N4M5RS_{min}0.2RS_{max}2$	$\equiv$
$S4N4M5RS_{min}0.6RS_{max}1.5$	$\checkmark\checkmark\checkmark$
$S4N4M5RS_{min}0.6RS_{max}2$	$\equiv$
$S5N5M4RS_{min}0.2RS_{max}1.5$	$\equiv$
$S5N5M4RS_{min}0.2RS_{max}2$	$\equiv$
$S5N5M4RS_{min}0.6RS_{max}1.5$	$\equiv$
$S5N5M4RS_{min}0.6RS_{max}2$	$\equiv$
$S5N5M5RS_{min}0.2RS_{max}1.5$	$\equiv$
$S5N5M5RS_{min}0.2RS_{max}2$	$\equiv$
$S5N5M5RS_{min}0.6RS_{max}1.5$	$\equiv$
$S5N5M5RS_{min}0.6RS_{max}2$	$\equiv$
(b)  Tests	
$S4N4M4RS_{min}0.2RS_{max}1.5$	$\equiv$
$S4N4M4RS_{min}0.2RS_{max}2$	$\equiv$
$S4N4M4RS_{min}0.6RS_{max}1.5$	$\equiv$
$S4N4M4RS_{min}0.6RS_{max}2$	$\equiv$
$S4N4M5RS_{min}0.2RS_{max}1.5$	$\equiv$
$S4N4M5RS_{min}0.2RS_{max}2$	$\equiv$
$S4N4M5RS_{min}0.6RS_{max}1.5$	$\equiv$
$S4N4M5RS_{min}0.6RS_{max}2$	$\equiv$
$S5N5M4RS_{min}0.2RS_{max}1.5$	$\equiv$
$S5N5M4RS_{min}0.2RS_{max}2$	$\equiv$
$S5N5M4RS_{min}0.6RS_{max}1.5$	$\equiv$
$S5N5M4RS_{min}0.6RS_{max}2$	$\equiv$
$S5N5M5RS_{min}0.2RS_{max}1.5$	$\equiv$
$S5N5M5RS_{min}0.2RS_{max}2$	$\equiv$
$S5N5M5RS_{min}0.6RS_{max}1.5$	$\equiv$
$S5N5M5RS_{min}0.6RS_{max}2$	$\equiv$
(c) div	
$S4N4M4RS_{min}0.2RS_{max}1.5$	$\equiv$
$S4N4M4RS_{min}0.2RS_{max}2$	$\equiv$
$S4N4M4RS_{min}0.6RS_{max}1.5$	$\equiv$
$S4N4M4RS_{min}0.6RS_{max}2$	$\equiv$
$S4N4M5RS_{min}0.2RS_{max}1.5$	$\equiv$
$S4N4M5RS_{min}0.2RS_{max}2$	$\times\times\times$
$S4N4M5RS_{min}0.6RS_{max}1.5$	$\equiv$
$S4N4M5RS_{min}0.6RS_{max}2$	$\times\times\times$
$S5N5M4RS_{min}0.2RS_{max}1.5$	$\equiv$
$S5N5M4RS_{min}0.2RS_{max}2$	$\equiv$
$S5N5M4RS_{min}0.6RS_{max}1.5$	$\equiv$
$S5N5M4RS_{min}0.6RS_{max}2$	$\equiv$
$S5N5M5RS_{min}0.2RS_{max}1.5$	$\equiv$
$S5N5M5RS_{min}0.2RS_{max}2$	$\equiv$
$S5N5M5RS_{min}0.6RS_{max}1.5$	$\equiv$
$S5N5M5RS_{min}0.6RS_{max}2$	$\equiv$