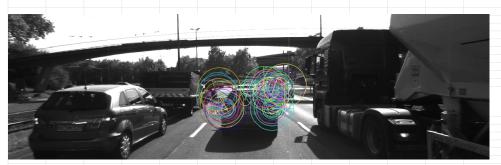
Performance E													
Detectors	valuation 1 - Num Image 1	ber of KeyPol Image 2	nts by Each Dete Image 3	Image 4	Image 5	Image 6	Image 7	Image 8	Image 9	Image 10	Average	Avg_NieghBourHood_Size	
AST	149	152	150	155	149	149	156	150	138	143	149	7.777	
RISK IRB	264 92	282	282	277	297	279	289 130	272	266	254 128	276	27.38 62.28	
KAZE	166	102 157	106 161	113 155	109 163	125 164	173	129 175	127 177	179	116 167	8.54	
IFT	138	132	124	137	134	140	137	148	159	137	139	5.59	
HARRIS	17	14	18	21	26	43	18	31	26	34	25	6.67	
SHITOMASI	125	118	123	120	120	113	114	123	111	112	118	4.44	
	Each Detector(ms		Imaga 2	Image 4	Imaga E	Imaga 6	Imaga 7	Imaga 9	Imaga 0	Image 10	Augraga(ma)		
etectors AST	Image 1 0.8208	Image 2 0.60277	Image 3 0.81311	Image 4 0.62717	Image 5 0.62081	Image 6 0.60291	Image 7 0.63303			Image 10 0.60217	Average(ms) 0.648666		
BRISK	32.769287		30.348228	30.274287	30.917287	41.771736	30.761287		38.827386	30.539857	33.6613019		
RB		5.64404	5.049789	22.722508	5.44152	5.52217	9.343269			5.650939	7.8812783		
KAZE	158.189985 171.183935		197.777842 168.438165	210.970121 169.584114	198.886612 176.696104	196.361062 175.408894	266.023956 185.636263		198.684292 186.454572	197.018862 176.040564	201.0496437 179.9037175		
IARRIS	13.076939	10.696429	10.289169	10.001869	10.516879	27.617667	9.409279		37.778897	15.008508	15.5771155		
HITOMASI	14.138009	13.447519	11.194309	11.084139	11.814879	10.874399	10.599049	10.626519	11.118559	10.781079	11.567846		
								Number of Match	ned KeyPoints/%	match/TimeTaken	Avg		Average Time Taken for Descript
ETECTOR	DESCRIPTOR	1#2	2#3	3#4	4#5	5#6	6#7	7#8	8#9	9#10		%Match	(ms)
	BRISK	97									99.88888889	67.03952274	1.6246698
FAST	BRIEF ORB	119 123				108 114					122.111111 123.444444	81.95376585 82.84862043	1.1709399 0.8019929
	FREAK	98	99			85			101		97.5555556	65.47352722	35.9589668
	SIFT	118				114			117	103	116.2222222	78.00149142	31.7580719
	BRISK	171	176			174					174.444444	63.20450886	2.7282609
BRISK	BRIEF	178 164	205 176			183			189 162		189.333333 167.3333333	68.59903382 60.62801932	0.7884439 3.4319956
	FREAK	160				161	183		178		169.3333333	61.352657	23.1981408
	SIFT	182	193	169	183	171					182.8888889	66.26409018	51.4937012
	BRISK	73 49				79				91	83.4444444	71.9348659 52.20306513	1.1645829 0.4588311
ORB	ORB	49 68	43 71			53 87					60.5555556 85.5555556	52.20306513 73.75478927	0.4588311 9.781101
	FREAK	42									46.66666667	40.22988506	38.7958624
	SIFT	67	79			82					84.7777778	73.08429119	100.6769488
	BRISK	137	125			131					135	80.83832335	1.7879207
	BRIEF ORB	141 129	134 122	131 120		134 129					140.6666667 131.111111	84.23153693 78.50964737	0.9300097 2.780568
AKAZE	AKAZE	138				129				150	139.8888889	83.76580173	195.3234716
	FREAK	126	129	127	121	122	133	144	147	138	131.8888889	78.97538257	51.6563583
	SIFT	134	134			137	147				141.1111111	84.49767132	42.0813282
	BRISK BRIEF	64 86	66 78			59 69					65.77777778 78	47.32214229 56.11510791	1.1930189 0.6307829
SIFT	FREAK	65				59					65.88888889	47.40207834	55.2394879
	SIFT	82				90					88.8888889	63.94884093	114.4191016
	BRISK	12									15.7777778	63.11111111	0.4188358
HARRIS	BRIEF ORB	14				24					19.2222222	76.88888889 75.11111111	0.2440759 0.566798
	FREAK	13									16	75.1111111	22.826096
	SIFT	14									18.1111111	72.4444444	15.7756497
SHITOMASI	BRISK	95				82					85.2222222	72.2222222	1.0399819
	BRIEF ORB	115 111	111			102					104.8888889	88.88888889 87.38229755	0.4177359 0.604751
	FREAK	86				86					85.33333333	72.31638418	25.4844488
	SIFT	112	109	104	103	99	101	96	106	97	103	87.28813559	19.1632951
							Time Take	en by Each Combin					
ETECTOR	DESCRIPTOR	1 1	2	3				II by Each Combi					
					1 29283	5 1 28326	6 2 11261	7	8	9	10	Average Time Taken	
	BRIEF	2.45889 1.80422	2.04693 1.44464	1.957319 0.81618	1.29283	5 1.28326 0.78977	6 2.11261 0.79114	7 1.44282		1.206249	10 1.21482 1.19203	Average Time Taken 1.6246698 1.1709399	
FAST	ORB	1.80422 1.01362	2.04693 1.44464 0.65576	1.957319 0.81618 0.64032	1.29283 1.70448 0.69176	1.28326 0.78977 0.618209	2.11261 0.79114 0.63019	7 1.44282 1.69677 0.6451	8 1.23097 0.46045 1.299911	1.206249 1.009719 0.921769	1.21482 1.19203 0.90329	1.6246698 1.1709399 0.8019929	
FAST	ORB FREAK	1.80422 1.01362 27.131267	2.04693 1.44464 0.65576 25.919478	1.957319 0.81618 0.64032 54.299446	1.29283 1.70448 0.69176 22.805088	1.28326 0.78977 0.618209 65.337594	2.11261 0.79114 0.63019 24.197028	7 1.44282 1.69677 0.6451 43.190536	8 1.23097 0.46045 1.299911 23.000818	1.206249 1.009719 0.921769 22.087258	1.21482 1.19203 0.90329 51.621155	1.6246698 1.1709399 0.8019929 35.9589668	
FAST	ORB FREAK SIFT	1.80422 1.01362 27.131267 16.657659	2.04693 1.44464 0.65576 25.919478 17.222308	1.957319 0.81618 0.64032 54.299446 71.883393	1.29283 1.70448 0.69176 22.805088 15.254488	1.28326 0.78977 0.618209 65.337594 10.124508	2.11261 0.79114 0.63019 24.197028 15.490198	7 1.44282 1.69677 0.6451 43.190536 24.962618	8 1.23097 0.46045 1.299911 23.000818 60.378775	1.206249 1.009719 0.921769 22.087258 10.397329	1.21482 1.19203 0.90329 51.621155 75.209443	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719	
FAST	ORB FREAK	1.80422 1.01362 27.131267	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616	1.957319 0.81618 0.64032 54.299446 71.883393	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952	7 1.44282 1.69677 0.6451 43.190536 24.962618 2.24757	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493	1.21482 1.19203 0.90329 51.621155	1.6246698 1.1709399 0.8019929 35.9589668	
FAST	ORB FREAK SIFT BRISK BRIEF ORB	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29862	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279	7 1.44282 1.69677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.899259	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159	1.21482 1.19203 0.90329 51.621155 75.209443 2.10918 0.74947 3.071899	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956	
	ORB FREAK SIFT BRISK BRIEF ORB FREAK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898 22.788888	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29862 23.236528	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279 22.656978	7 1.44282 1.69677 0.6451 43.19053 24.962618 2.24757 0.71714 3.420509 22.643278	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.899259 22.478548	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407098	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408	
	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668 64.418064	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817 36.488636	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898 22.788888 75.618424	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29862 23.236528 53.901005	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279 22.656978 60.865654	7 1.44282 1.69677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.899259 22.478548 64.302294	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526	1.21482 1.19203 0.90329 51.621155 75.209443 2.10918 0.74947 3.071899 23.407088 66.900604	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.19181408 51.4937012	
	ORB FREAK SIFT BRISK BRIEF ORB FREAK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898 22.788888 75.618424 1.59247	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29862 23.236528	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279 22.656978 60.865654 1.394091	7 1.44282 1.69677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.899259 22.478548 64.302294	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526 1.01517	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407098	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408	
	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55783 3.79621	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668 64.418064 0.84464 0.36889 3.23406	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817 36.488636 1.18914 0.40334 4.73558	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898 22.78888 75.618424 1.59247 0.51036 4.419639	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29862 23.236528 53.901005 0.91606 0.37678 64.112324	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279 22.656978 60.865654 1.394091 0.50621 3.47652	7 1.44282 1.69677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.899259 22.478548 64.302294 1.46607 0.60606 3.6095	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526 1.01517 0.39818	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407088 66,900604 1,347439 0,45371	1.6246699 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645829 0.4588311 9.781101	
BRISK	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK FREAK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55783 3.79621 26.772148	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668 64.418064 0.86489 3.22406 54.866415	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817 36.488636 1.18914 0.40334 4.73558 21.952348	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898 22.788888 75.618424 1.59247 0.51036 4.419639 62.046844	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29662 23.236528 53.901005 0.37678 64.112324 22.246737	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210899 3.427279 22.656978 60.865654 1.394091 0.50621 3.47652 65.037514	7 1.44282 1.69677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.923758	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.899259 2.478548 64.302294 1.46607 0.60606 3.6095 25.732698	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526 1.01517 0.39818 3.214159 65.044754	1.21482 1.19203 0.90329 51.621155 75.209443 2.10918 0.74947 3.071899 23.40708 66.900604 1.1347439 0.45371 3.955489	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645629 0.4588311 9.781101 38.7958624	
BRISK	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55783 3.79621	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668 64.418064 0.36889 3.23406 54.86645 54.86645 85.365683	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817 36.488636 1.18914 0.40334 4.73558 21.952348	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898 22.788888 75.618424 1.59247 0.51036 4.419639 62.046844 92.753981	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29862 23.236528 53.901005 0.91606 0.37678 64.112324	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279 22.656978 60.865654 1.394091 0.50621 3.47652 65.037514	7 1.44282 1.99677 0.6451 43.190536 22.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.92378 89.920772	8 1.23097 0.46045 1.299911 23.000818 66.378775 2.22261 0.70338 3.899259 22.478548 64.302294 1.46607 0.60066 3.6095 27.32698 100.59342	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526 1.01517 0.39818 3.214159 65.044754	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407089 66,900604 1,34739 0,45371 3,895489 22,335408	1.6246699 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645829 0.4588311 9.781101	
BRISK	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT SRISK BRIEF ORB	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55783 3.79621 26.772148 93.438192	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668 64.418064 0.86489 3.22406 54.866415	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817 36.488656 1.18914 0.40334 4.73558 21.952348 90.641702 1.3199	1.29283 1.70448 0.69176 22.805088 15.254488 6.32352 0.70095 3.43898 22.788888 75.618424 1.59247 0.51036 4.419639 62.046844 92.753981 2.606409	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29862 23.236528 53.901005 0.37678 64.112324 22.246737 180.631584	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279 22.656978 60.855654 1.3940091 0.50621 3.47652 65.037514 89.576181	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.923758 89.920772 2.22229	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.899259 22.478548 64.302294 1.46607 0.66606 3.6095 25.732698 100.59342 1.47851	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526 1.01517 0.39818 3.214159 65.044754 97.148191	1.21482 1.19203 0.90329 51.621155 75.209443 2.10918 0.74947 3.071899 23.40708 66.900604 1.1347439 0.45371 3.955489	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645829 0.4558311 9.781101 38.7958624 100.6759488	
BRISK	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55763 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304	2.04693 1.44464 0.65576 25.919478 17.222308 3.28616 0.71561 4.04117 23.391668 64.418064 0.34689 3.23400 54.866415 85.365663 1.31277 1.2148 2.40809	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817 36.488630 1.18914 0.40334 4.73558 21.952348 90.641702 1.3199 0.53234 3.50435	1.29283 1.70448 0.69176 22.805088 15.254488 6.2325 0.70095 3.43898 75.618424 1.59247 0.51036 4.419639 62.046844 92.7553981 2.606409 0.52292 2.1647	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29662 23.236528 53.901005 0.91606 0.37678 64.112324 22.246737 180.631584 1.316539 0.528519 1.83245	2.11261 0.79114 0.63019 24.197028 15.490198 2.22952 1.210889 3.427279 2.656978 60.865654 1.394091 0.50621 3.47652 65.037514 95.576181 2.36678 0.952059 2.11916	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406991 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627	8 1.23097 0.46045 1.299911 23.00818 60.378775 2.22261 0.70338 3.899259 22.478548 64.302294 1.46607 0.66606 3.6095 25.732698 100.59342 1.47851 0.96607 2.5163	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526 1.01517 0.39818 3.214159 65.044754 97.148191 1.41162 1.04672 2.69328	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407088 66,900604 1,347439 0,45371 3,895489 22,335408 86,699022 2,999919 0,51803 4,21271	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 11.645829 0.4588311 9.781101 38.7958624 100.6759488 1.7879207 0.3300097 2.780568	
BRISK	ORB FREAK SIFT BRISK BRIEF ORB AKAZE	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55783 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304	2,04693 1,44464 0,65576 25,919478 17,222308 0,71561 4,04117 23,391688 64,418064 0,36889 3,22400 54,866415 5,365683 1,2127 1,2148 2,40809 192,268601	1.957319 0.81618 0.64023 54.299446 77.883393 1.217241 1.01844 3.27594 24.4486171 36.488636 1.18914 1.73566 21.952348 90.641702 0.53234 3.50435 193.137023	1.29283 1.70448 0.69176 22.805088 6.32352 0.70095 3.43898 22.788888 75.618424 1.59247 0.51036 62.046844 92.753981 2.606409 0.52292 2.1647	1.28326 0.78977 0.6182006 65.337594 10.124509 0.69613 3.29662 32.326562 53.901005 0.91606 0.37676 64.112324 22.246737 180.6315643 0.528519 1.83265 1.83265	2.11261 0.79114 0.8301912 24.197028 15.490198 1.210889 3.427279 60.886564 1.394091 0.50621 3.47625 65.037514 0.9862059 0.9862059 0.9862059 0.9862059	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627 155.038252	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70338 3.89929 22.478548 64.30229 1.46607 0.60606 3.6095 25.732698 10.59342 1.47851 0.96607 2.35163 1.45616 1.45761 1.	1.206249 1.009719 0.921769 22.087258 10.397329 2.21493 0.66225 3.07159 22.736778 34.400526 1.01517 0.39818 3.214159 65.044754 97.148191 1.414162 1.04672 2.69328 201.274111	1,21482 1,19203 0,90329 51,621155 75,209443 2,19914 0,74947 3,071899 23,407086 66,900604 1,347439 0,45371 3,895439 22,335408 86,699762 2,099919 0,51803 4,21271 193,862752	1.6246698 1.1703399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645629 0.4588311 9.781101 38.7958624 100.6769468 1.7879207 0.9300097 2.780568 195.2234716	
BRISK	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55763 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304	2,04693 1,44464 0,65576 25,919478 17,222308 0,71561 0,71561 23,391686 64,419064 0,36889 3,23406 55,365683 1,31277 1,2148 2,40600 1,24464 2,40600 1,24464 2,40600 1,24464 2,40600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,244600 1,24464 1,2446 1,2446 1,24464 1,2446 1,2	1.957319 0.81618 0.64032 54.299446 71.883393 2.17241 1.01844 3.27594 24.446817 36.488630 1.18914 0.40334 4.73558 21.952348 90.641702 1.3199 0.53234 3.50435	1.29283 1.70448 1.091776 22.805088 15.254488 15.254488 15.254488 2.78888 2.278888 2.278888 2.51924 0.51036 4.419639 2.2753981 2.606409 0.52292 2.1847 2.0532828	1.28326 0.78977 0.618209 65.337594 10.124508 2.353369 0.69513 3.29662 23.236528 53.901005 0.91606 0.37678 64.112324 22.246737 180.631584 1.316539 0.528519 1.83245	2.11261 0.79114 0.8301912 24.197028 15.490198 2.22952 1.210898 3.427279 2.86676 6.086665 6.087514 89.576181 2.36677 0.950259 2.11916 192.553912 80.58513	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.400891 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627 195.038252 22.599618	8 1 23097 0 46045 1 23097 0 46045 1 230907 0 46045 1 299911 2 2 3000818 6 0 378775 2 22261 0 70338 3 899259 2 478548 6 4 302294 1 46607 0 56050 0 3 6095 0 575 2 572699 1 1 47851 0 47	1 206249 1.009719 0.927190 22.087258 10.397329 0.66225 22.1439 3.07159 3.400526 3.214159 5.504745 97.148191 1.41102 2.69328 2.01274111 2.2456050	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,40708 66,900604 1,1347439 0,45371 3,895489 22,335408 86,699762 2,099919 0,51803 4,21271 193,682752 23,46038	1.6246698 1.1709399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981406 51.4937012 1.1645829 0.4588311 9.781101 38.7958624 100.6769488 1.7879207 0.9300097 2.780588 195.3234716 51.6863883	
BRISK	ORB FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF FREAK BRIEF FREAK SIFT	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.337471 24.194827 22.499978 0.55783 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304 191.537352 22.097798 82.538002 1.4936	2,04693 1,44464 0,65576 25,919476 17,222308 3,28816 0,71561 0,71561 0,34464 0,36889 3,23406 54,86445 1,2148 2,40609 19,226800	1,957319 0,81618 0,640325 54,299446 1,11844 1,18444 1,	1.29283 1.70448 1.0.61776 22.805088 15.254488 15.254488 22.788888 22.788888 22.788888 24.19639 1.59247 0.51038 26.246844 22.753981 26.24694 27.53981 27.6467 27.53981 27.6467 27.53981 27.6467 27.53981 27.6467 27.53981 27.6467 27.53981 27.6467 27.53981 27.6467 27.53981	1.28326 0.78977 0.618220 66.337594 10.12453680 0.69513 2.3236528 53.901005 0.37678 12.32452 2.246737 180.631584 1.316539 0.528519 1.83245 191.707027 101.07027	2.11261 0.79114 0.8301912 24.197028 15.490198 2.225525 1.210889 3.427279 2.2656978 0.865654 1.394091 0.50621 1.394091 0.50621 1.394091 0.952059 2.11916 1.925391 0.952059 2.11916 1.925391 0.952059 2.11916 1.925391 0.952059 1.925391 1.925391 0.952059 1.925391 1.9253	7 1.44282 1.98677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627 195.038252 2.2599618 1.13264248 1.132642	8 123097 0.46045 1.269911 23.000818 60.378775 2.22261 0.70338 3.899259 22.478548 64.30229 1.46607 0.60606 3.6095 25.732698 10.59342 1.47851 0.96607 2.35163 194.616612 23.393088 85.020753	1.206248 1.009719 0.927190 22.087258 10.987329 0.66225 22.13439 0.66225 22.736778 34.400526 3.214159 3.214159 56.04725 1.14672 2.69328 22.496508 22.496508 22.496508 22.496508	1,21482 1,19203 0,90329 51,621155 75,209443 2,19918 0,74947 3,071899 23,407088 66,900604 1,347439 0,45371 3,895489 22,35489 86,699782 2,099919 0,51803 4,21271 193,682752 23,496388 18,204579 1,17182	1.6246698 1.1703399 0.8019929 3.5.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645629 0.4588311 9.781101 38.7958624 100.6769488 1.7879207 0.930097 2.780568 15.5234716 51.6563583 42.081282 1.1930188	
BRISK	ORB FREAK SIFT BRISK BRISE ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF GRB AKAZE FREAK SIFT BRISK BRIEF BRISK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.755783 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304 191.537352 22.097798 82.538002 1.4936 0.468349 0.468349 0.468349	2,04693 1,44464 0,65576 25,919478 17,222308 0,71561 0,71561 0,41470 1,23,31668 1,24406 1,24406 1,24406 1,24406 1,24606	1.957319 0.81618 0.640323 54.299446 77.883393 54.27944 1.01844 1.01844 1.01844 1.01844 1.040334 4.73558 1.189914 1.3199 0.841702 1.3199 3.44061 76.200533 1.000639 0.44456	1.29283 1.70448 1.09176 22 22.805088 15.254488 15.254488 22.76888 75.618424 1.50247 1.50247 2.61508 2.16449 2.753861 2.606409 1.52522 2.1647 2.05,3228 1.555269 1.17026 1.17026	1.28326 0.78977 0.619200 66.337594 10.124508 0.69613 3.29662 23.236622 3.23662 3.2362 3.23662 3.23662 3.23662 3	2.11261 0.79114 0.8301912 24.197028 15.490198 2.22652 12.10889 60.865654 1.34001 3.47279 22.66678 60.865654 1.34001 2.36678 2.36678 2.11016 2.36678 2.11016 2.36678 2.11016 2.36678 2.11016 2.36678 2.11016 2.36678 2.11016 2.36678 2.11016 2.36678 2.11016 2.36678 2.	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.400891 3.317529 21.923758 88.920772 2.22229 1.0186 2.12627 155.038252 22.559618 13.254248 13.254248 1.13262 0.448989	8 1 23097 0 46045 1 23097 0 46045 1 23097 1 2400918 1 2400918 1 2400918 2 2478548 2 24	1 206249 1.009719 2.097769 22.087258 10.397329 0.66225 2.21439 3.07159 2.2.736778 3.4.40526 3.214159 65.04725 1.14162 2.69328 201.274111 2.486508 85.450962 1.24458 1.2458	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407088 66,900604 1,347439 0,45371 3,895489 22,3354088 86,699762 2,099919 0,51803 4,21271 193,682752 23,465388 18,204579 1,17162 0,86153	1.6246698 1.1703399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1646829 0.4588311 9.781101 38.7958624 100.6769488 1.7879207 0.9300097 2.780568 195.3234716 51.5663583 42.0813282	
BRISK  ORB	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB AKAZE FREAK SIFT BRISK BRIEF FREAK BRIEF FREAK SIFT BRISK BRIEF BRISK BRIEF FREAK BRIEF BRISK BRIEF FREAK BRIEF FREAK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.7545769 0.55783 3.79621 26.772148 93.438192 1.774447 2.002139 4.39304 191.537352 22.097798 82.538002 1.4936 0.466349 102.46994	2,04693 1,44464 0,65576 25,919478 17,222006 0,71561 0,71561 1,44117 23,391688 64,418064 0,38486 1,32406 1,2446 1,2	1,957319 0,81618 0,64032 54,299446 171,833939 2,17241 1,01844 3,27599 24,446817 36,488636 1,18931 4,73585 21,952348 90,841702 93,344661 76,20633 1,0137032 93,344661 76,20633 1,00633	1.29283 1.70448 1.70448 2.2.805088 1.5254488 3.23252 0.70055 3.43898 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 1.59247 0.51038 6.2.048844 2.753881 2.6064090 0.52292 2.16447 2.553881 1.55525980 1.177026 1.177026 2.51474 2.5788888	1.28326 0.78977 0.618220 66.337594 10.124508 2.353359 0.69513 3.298628 3.298628 3.298628 3.391050 0.37678 18.31584 11.31653 19.31584 19.3769612 10.17027 13.145098 1.10898 1.1	2.11261 0.79114 0.830198 24.197028 15.490198 2.2265507 22.656076 0.865654 1.394091 0.66621 4.394091 0.56621 0.56621 1.25631 1.25631 1.25631 1.756368 1.17868 1.17868 1.17868 1.17868 1.17868	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 55.541827 1.13498 0.406951 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627 195.038252 2.599618 13.254248 1.13262 0.44989 23.393188	8 1.23097 0.46045 1.299911 23.000818 60.378775 2.22261 0.70333 3.899259 22.478548 64.302294 1.46607 0.66006 52.732698 10.59342 10.96607 2.31563 194.616612 23.39308 85.020753 1.21931 0.71016	1 206248 1.009719 0.927196 22.087258 0.082725 2 21493 0.086225 2 2736778 3 4400552 1.01517 0.39818 3.214159 65.044754 97.48191 1.41162 2.63623 2.01274111 22.486508 85.450962 1.26458 2.26458	1 21482 1.19203 0.90329 51.621155 75.204431 2.10918 0.74947 3.071899 23.407088 66.900604 13.47439 0.45371 3.895489 22.335408 86.699782 2.096919 0.51803 4.21271 193.682752 23.460388 18.204579 1.17182 0.86153	1.6246698 1.1709399 0.8019929 3.5.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645629 0.4588311 9.781101 38.7958624 10.6769488 1.7879207 0.9300097 2.780568 195.3234716 51.6563383 4.20813282 1.1930189 0.6307829 55.2394879	
BRISK  ORB	ORB FREAK SIFT BRISK BRISE ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF GRB AKAZE FREAK SIFT BRISK BRIEF BRISK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.755783 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304 191.537352 22.097798 82.538002 1.4936 0.468349 0.468349 0.468349	2,04693 1,44464 0,65576 25,919478 17,222308 0,71561 0,71561 0,41470 1,23,31668 1,24406 1,24406 1,24406 1,24406 1,24606	1,957319 0,81618 0,64032 54,299446 171,833930 2,17241 1,01844	1.29283 1.70448 1.0 91776 22.805088 15.254488 16.23352 0.70095 27.88888 22.788888 24.19639 0.51036 4.419639 0.52392 2.1647 2.506489 1.52492 2.606499 1.525292 1.1067 2.506489 1.50649	1.28326 0.78977 0.619200 66.337594 10.124508 0.69613 3.29662 23.236622 3.23662 3.2362 3.23662 3.23662 3.23662 3	2.11261 0.79114 0.830198 24.197028 15.490198 2.2265507 22.656076 0.865654 1.394091 0.66621 4.394091 0.56621 0.56621 1.25631 1.25631 1.25631 1.756368 1.17868 1.17868 1.17868 1.17868 1.17868	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.400891 3.317529 21.923788 69.920772 2.22229 1.0165 2.12627 1.95.038252 22.599618 13.254248 1.13262 0.44989 2.3.393188 108.889918	8 1 22097 0 46045 1 22097 0 46045 1 22097 0 46045 1 22000818 0 22000818 0 22000818 0 22000818 0 22000818 0 22000818 0 22478548 0 2294 1 46607 0 406006 0 3 6005 0 22478548 0 2294 1 47851 0 40607 0 235163 0 20008 1 245163 0 20008 0	1 206248 1.009719 0.927196 22.087258 0.082725 2 21493 0.086225 2 2736778 3 4400552 1.01517 0.30818 3.214159 65.044754 97.48191 1.41162 2.63623 2.01274111 22.486508 85.450962 1.26458 2.26458	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407088 66,900604 1,347439 0,45371 3,895489 22,3354088 86,699762 2,099919 0,51803 4,21271 193,682752 23,465388 18,204579 1,17162 0,86153	1.6246698 1.1703399 0.8019929 35.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1646829 0.4588311 9.781101 38.7958624 100.6769488 1.7879207 0.9300097 2.780568 195.3234716 51.5663583 42.0813282	
ORB  AKAZE  SIFT	ORB FREAK SIFT BRISK BRIEF BRISK BRIEF BRISK BRIEF BRISK BRIEF FREAK SIFT BRISK BRIEF	1.80422 1.01362 2.7131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.745769 1.74447 2.002139 4.39304 191.537352 22.097788 22.538002 1.4936 0.468349 102.46994 104.60283 0.41226	2,04693 1,44464 0,65576 25,919478 17,222308 3,28816 0,71561 23,391668 64,418064 0,36889 3,23406 54,36663 1,31277 1,2144 2,40509 12,268601 23,822538 12,60279 1,12981 1,566279 1,12981 1,566279	1,957319 0,81618 0,64032 54,29946 71,83393 2,17241 1,01844 1,0	1.29283 1.70448 1.70448 2.2.805088 1.5254488 2.2.805088 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.788888 2.2.7888888 2.2.7888888 2.2.7888888 2.2.7888888 2.2.7888888 2.2.7888888 2.2.7888888	1.28326 0.78977 0.618220 66.337594 10.124263 0.69513 3.296622 33.236528 53.901005 0.37678 18.31584 1.316539 0.528519 1.316539 1.316539 0.528519 1.316729 1.3	2.11261 0.79114 0.8301912 24.197028 15.490198 22.25552 1.210899 3.427279 22.656978 0.805654 1.334091 0.50021 1.340091 0.50021 1.340091 0.50021 1.340091 1.340091 0.50021 1.1910 1	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 1.317529 21.923758 89.920772 2.22229 1.0165 2.12627 195.038252 2.599618 13.254248 1.13262 0.449891 2.3393188 108.89918 0.316739 0.316739	8 1.23097 0.46045 1.299911 23.000818 0.378775 2.22261 0.70333 3.899259 22.478548 1.46607 0.60006 25.732698 10.59342 1.47851 0.96607 2.31563 194.616012 23.393088 85.020753 1.21931 0.71016 25.23368 1.81588	1 206249 1.009719 2.009719 2.009729 2.009728 1.0397329 0.66225 2.21439 3.04759 2.21439 3.04759 3.214159 3.214159 5.04774 4.400526 5.406754 57.148191 1.14162 2.669328 20.1274111 2.246508 5.4509625 1.26458 0.57684 23.434276 1.40.781257	1 21482 1.19203 0.90329 51.621155 75.209443 2.10918 0.74947 3.071899 23.407098 66.900604 11.347439 0.45371 3.895489 22.335408 86.699782 2.099919 0.51803 4.21271 193.682752 23.486388 18.204579 1.17178 0.88153 22.2717178	1.6246698 1.1709399 0.8019929 3.5.9589668 31.7582079 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645629 0.4588311 9.781101 38.7958624 100.6769488 1.7879207 0.9300097 2.780568 15.5234716 51.6563563 42.0813282 1.1930189 0.6307829 55.2394879 114.4191016	
BRISK  ORB	ORB FREAK SIFT BRISK BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB BRIEF BRIEK BRIEF	1.80422 1.01362 2.7.131267 16.657659 2.12334 0.71118 3.37471 22.499978 0.745769 0.55763 3.79621 2.6772148 93.438192 1.74447 2.002139 4.39304 191.537352 22.097798 82.538002 14.933 0.468349 102.46994 104.60293 0.41226 0.70939	2,04693 1,44464 0,65576 25,919478 17,222308 3,28616 0,71561 23,39168 64,419064 0,36889 3,22400 1,32400	1.957319 0.81618 0.640323 54.299446 71.883393 54.21724 1.01844	1.29283 1.70448 1.70448 1.20483 1.70448 1.254488 1.254488 1.254488 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.758888 2.7588888 2.7588888 2.7588888 2.75888888 2.75888888 2.75888888 2.75888888	1.28326 0.78977 0.618220 66.337594 10.124508 2.333360 0.69513 3.298628 53.901005 0.37678 64.112324 22.246737 180.631584 1.316589 1.83245 1.107027 13.145089 0.63824 97.307381 48.151456 97.307381 48.151456 97.307381	2.11261 0.79114 0.301919 24.197028 15.490198 2.22552 1.210889 3.427279 22.65678 60.865654 1.340491 0.50621 3.47652 2.11916 1.25539 1.17858 0.8227 2.3782908 1.17858 0.8027 2.3782908 1.188.308434 0.53404	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627 195.038252 2.2599618 13.254248 1.13262 0.44989 23.393188 101.89918 0.316739 0.20277 0.49662	8 1 23097 0 46045 1 23097 0 46045 1 23097 0 46045 1 23000818 0 378775 2 22261 0 46045 0 47872	1 206249 1.009719 2.009726 2.0	1,21482 1,19203 0,90329 51,621155 75,209443 2,10918 0,74947 3,071899 23,407098 66,900604 11,347439 0,45371 3,985489 22,335408 86,699782 2,099190 3,4,21271 193,682785 23,486388 18,204579 1,171782 0,86153 22,717178 101,434011 0,45096 0,29493 0,51199	1.6246698 1.1709399 0.8019929 3.5.9589668 31.7580719 2.722609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645829 0.4583311 9.781101 38.7958624 100.6759488 11.7879207 0.9300097 2.780568 15.5234716 51.6553583 42.0813282 1.1930189 0.6307829 55.2394879 114.4191016 0.4188358 0.2440759 0.566788	
BRISK  ORB  AKAZE  SIFT	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB AKAZE FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF ORB BRIEF FREAK SIFT BRISK BRIEF FREAK BRIEF ORB	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55763 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304 191.537352 22.097708 82.538002 1.4936 0.460349 102.46994 104.60293 0.41226 0.17446	2,04693 1,44464 0,65576 25,919478 17,222006 17,222006 17,222006 17,222006 1,44117 23,391688 64,418064 0,38486 1,3417 1,2148 1,21	1,957319 0,81618 0,64032 64,299446 171,833930 2,17241 1,01844	1.29283 1.70448 1.70448 2.2805088 1.5254488 3.23252 0.70055 3.43898 2.2 788888 2.2 788888 2.2 788888 2.2 788888 2.2 788888 2.2 788888 2.2 788888 3.4 34989 3.50292 2.1647 2.5053822 3.5068181 3.5562568 1.17026 3.56888 2.56449 3.58888 2.56449 3.58888 3.58888 3.58888 3.58888 3.58888 3.58888 3.58888 3.58888 3.58888 3.5888888 3.588888 3.5888888 3.5888888 3.5888888 3.5888888 3.5888888 3.5888888 3.58888888 3.58888888 3.58888888888	1.28326 0.78977 0.618220 66.337594 10.124506 2.353359 0.66513 2.326522 2.3236522 3.329652 3.32962 3.	2.11261 0.79114 0.830198 24.197028 15.490198 2.2265507 2.265507 2.56507 0.86562 4.34707 0.56021	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627 195.038252 29.599618 13.26248 1.13262 0.44989 23.393188 108.89918 0.316739 0.20277 0.49662 23.515627	8 123097 0,46045 123097 0,46045 123097 0,46045 1230008187 0,23008187 0,23008187 0,23008187 0,23008187 0,230081 0,46045 0,230081 0,46045 0,230085 0,230085 124,66612 23,30085 125,243068 0,6673 0,71016 25,243068 0,6673 0,71016 0,6607 0,235163 0,6607 0,235164 0,6507 0,235164 0,5502	1 206248 1.099719 2.092716 2.092726 2.092726 2.21493 0.66225 2.21493 0.66225 2.21493 3.07159 2.274787 3.98918 3.214159 65.044754 67.148191 1.41819 2.496508 65.044754 67.148191 2.2496508 65.049754 67.148191 67.04872 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879 67.04879	1 21482 1.19203 0.90329 51.621155 75.204431 2.10918 0.74947 3.071899 23.407088 66.09604 1.347439 0.45371 3.985489 22.335408 66.699782 22.395408 67.1071899 1.17182 193.682752 23.46388 18.204579 1.17182 0.86153 22.717178 101.434011 0.455066 0.29493 0.51159	1.6246698 1.1709399 0.8019929 3.5.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.49337012 1.1645829 0.4588311 9.781101 38.7958624 10.6769488 1.7873207 0.9300097 2.780568 195.3234716 51.6563833 42.0813282 1.1930189 0.6307829 55.2394879 114.4191016 0.4188355 0.2440759 0.566798 22.826096	
ORB  AKAZE  SIFT	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB BRISK BRIEF ORB BRISK BRIEF ORB BRISK BRIEF BRISK BRISK BRIEF BRISK BRISK BRIEF BRISK BRISK BRIEF BRISK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.75763 3.79621 20.02139 4.39304 1915.37362 20.092139 4.39304 1915.37362 20.092139 4.39304 102.468349 102.468348 102.468348 102.468348	2,04693 1,44464 0,65576 25,919476 17,222308 3,28616 0,71561 0,71561 1,3331668 64,418064 0,36889 3,23406 54,86445 1,2148 2,40509 11,2288 1,2127 1,2148 1,22638 1,22733 1,1227 1,1228 1,12	1.957319 0.81618 0.640325 54.299446 71.883393 54.299446 1.01844 1.01844 1.01844 1.04034 1.0504 1.0504 1.0504 1.0504 1.0504 1.0504 1.050533 1.000533	1.29283 1.70448 1.70448 1.5254488 1.5254488 1.5254488 1.5254488 1.5254488 1.5254488 1.5254488 1.5254488 1.5254488 1.5254488 1.525448 1.525448 1.525448 1.525448 1.525448 1.525448 1.525448 1.525448 1.525448 1.525448 1.52548	1.28326 0.78977 0.618220 66.337594 10.12453680 0.69613 2.3236528 53.901005 0.37678 1.131633 0.528619 1.83245 1.131633 0.528619 1.83245 1.131639 1.15089 0.63824 0.63824 0.472256 0.4722	2.11261 0.79114 0.8301912 24.197028 15.490198 2.22852 1.210889 3.427279 22.656978 60.865654 60.85654 60.95026 2.11916 192.553912 80.585133 1.78568 0.8027 2.7852 80.58513 1.78568 0.8027 2.7852 80.58513 1.78568 0.8027 2.7852 80.58513 1.78568 0.8027 2.7852 80.58513 8	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420539 22.643278 35.541827 1.13498 0.400891 3.317529 21.923758 69.920772 2.22229 1.0165 2.12627 1.95.038252 2.2599618 13.254248 1.13262 0.44989 2.3393188 108.989918 0.316739 0.20277 0.49662 2.3.515527 0.49662 2.3.515527	8 1 23097 0 46045 1 23097 0 46045 1 23097 0 46045 1 23000818 0 378775 2 22261 0 70338 3 899259 1 46607 0 7038 0 7058 0 70	1.206248 1.009719 2.009719 2.009729 2.009729 2.009729 2.009729 2.009729 3.009729	1.21482 1.19203 0.90329 51.621155 75.209443 2.10918 0.74947 3.071899 23.40708 66.900604 13.37439 0.45371 3.895489 22.335488 86.699782 2.099919 0.51803 4.21271 193.682752 23.46388 18.204579 1.17182 0.86153 22.2717778 101.434011 0.45096 0.29493 0.51159 22.632878	1.6246698 1.1703399 0.8019929 3.5.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645829 0.4588311 9.781101 38.7958624 100.6769488 1.7879207 0.9300997 2.780568 15.5234716 51.6563583 42.081282 1.1930189 0.6307829 5.52394879 114.4191016 0.4188358 0.2440759 0.586798 22.826096 15.7756497	
BRISK  ORB  AKAZE  SIFT	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB AKAZE FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF ORB BRIEF FREAK SIFT BRISK BRIEF FREAK BRIEF ORB	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 24.194827 22.499978 0.745769 0.55763 3.79621 26.772148 93.438192 1.74447 2.002139 4.39304 191.537352 22.097708 82.538002 1.4936 0.460349 102.46994 104.60293 0.41226 0.17446	2,04693 1,44464 0,65576 25,919478 17,222006 17,222006 17,222006 17,222006 1,44117 23,391688 64,418064 0,38486 1,3417 1,2148 1,21	1.957319 0.81618 0.640325 54.299446 71.883393 54.299446 1.01844 1.01844 1.01844 1.01844 1.04034 4.73558 1.08031 1.08043 90.641702 1.3199 93.44061 76.200533 0.44456 99.153191 11.020246 0.33304 0.15711 0.70575 22.482698	1.29283 1.70448 1.70448 1.2040508 1.	1.28326 0.78677 0.618220 66.337594 10.124506 2.353369 0.69613 3.29662 23.236028 23.236028 23.236028 3.396120 0.37676 46.11224 12.246737 10.316639 1.13642 11.137627 11	2.11261 0.79114 0.8301912 24.197028 15.490198 2.22952 12.10889 60.866654 0.56627 3.47652 2.36678 0.56627 1.394091 0.56627 2.11916 192.553912 80.585133 18.78358 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 2.7228 0.8027 0.8027 2.7228 0.8027 0.8	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.400991 3.317529 21.923758 89.920772 2.22229 1.0166 2.12627 150.038252 22.599618 13.254248 1.13262 0.44989 23.393188 108.89918 0.316739 0.20277 0.49662 23.515527 0.49662	8 1 23097 0,46045 1,23097 0,46045 1,23097 0,46045 1,2300018 0,378775 2,22261 0,70338 3,809259 2,2478548 64,30229 1,46607 0,50806 3,6095 25,732698 1,47851 0,96607 2,235163 1,47851 0,96607 2,235163 1,47851 0,5304 0	1 206249 1.009719 2.009719 2.097269 2.097269 2.097269 2.097269 3.07159 2.21439 3.07159 2.21459 2.14159 2.344,00526 3.214159 2.34459 2.14159 2.49506 3.214159 2.14159 2.49506 3.214159 2.104672 2.69528 2.12458 0.57684 2.3443278 1.24565 0.39029 0.32694 0.47614 2.1724118 2.796369	1 21482 1.19203 0.90329 51.621155 75.204431 2.10918 0.74947 3.071899 23.407088 66.09604 1.347439 0.45371 3.985489 22.335408 66.699782 22.395408 67.1071899 1.17182 193.682752 23.46388 18.204579 1.17182 0.86153 22.717178 101.434011 0.455066 0.29493 0.51159	1.6246698 1.1709399 0.8019929 3.5.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.49337012 1.1645829 0.4588311 9.781101 38.7958624 10.6769488 1.7873207 0.9300097 2.780568 195.3234716 51.6563833 42.0813282 1.1930189 0.6307829 55.2394879 114.4191016 0.4188355 0.2440759 0.566798 22.826096	
BRISK  ORB  AKAZE  SIFT	ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF ORB FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF FREAK SIFT BRISK BRIEF BRISK BRIEF FREAK BRIEF BRISK	1.80422 1.01362 27.131267 16.657659 2.12334 0.71118 3.37471 22.499978 0.745769 0.55783 3.79621 26.772148 93.438192 1.774447 2.002139 4.39304 191.537352 2.20,97798 82.538002 1.4936 0.468349 102.46994 104.60203 0.41226 0.17446 0.70999 24.084388 7.811039	2,04693 1,44464 0,65576 25,919478 17,222308 3,28616 0,71561 0,36889 3,23406 0,36889 3,23406 1,2144 2,40909 12,268601 12,26860 12,26860 103,36932 11,1288 11,12	1.957319 0.81618 0.640323 54.299446 71.883393 54.299446 1.01644 1.0164	1.29283 1.70448 1.70448 1.20483 1.70448 1.20483 1.2048	1.28326 0.78977 0.618220 66.337594 10.124508 2.333360 0.69513 3.29862 3.326528 5.391005 0.37678 18.31584 1.316539 0.528519 1.1316539 0.528519 1.131653 1.131653 1.131653 0.4252 0.4316	2.11261 0.79114 0.79114 15.40198 24.197028 12.20552 12.10889 12.20552 12.10889 13.42727 22.656678 0.865654 13.40491 0.50621 13.40491 0.50621 13.40491 19.255391 19.255391 19.255391 19.255391 19.255391 0.8027 23.762908 18.306494 0.53404 0.5	7 1.44282 1.99677 0.6451 43.190536 24.962618 2.24757 0.71714 3.420509 22.643278 35.541827 1.13498 0.406951 3.317529 21.923758 89.920772 2.22229 1.0165 2.12627 195.038252 2.599618 13.254248 13.13262 0.44989 23.393188 101.8981 0.316739 0.316739 0.32673 0.49662 23.515527 0.49662 23.515527 0.49662 23.515527 0.49662 23.515527 0.49662 23.515527 0.49662	8 1 23097 0 46045 1 23097 0 46045 1 23097 0 46045 1 23000818 0 2378775 2 22261 0 46045	1 206249 1.009719 2.009726	1,21482 1,19203 0,90329 51,621155 75,204431 2,10918 0,74947 3,071899 23,407098 66,90064 1,347439 0,45571 3,3895489 22,335408 86,599762 2,099919 0,51803 4,21271 193,682752 23,486388 18,204579 1,17162 0,86153 22,717178 101,434011 0,45066 0,29493 0,51199 22,632878 53,946756	1.6246698 1.1709399 0.8019929 3.5.9589668 31.7580719 2.7282609 0.7884439 3.4319956 23.1981408 51.4937012 1.1645829 0.4588311 9.781101 38.7958624 100.6758488 1.7879207 0.9300097 2.780668 195.2234716 51.6563583 42.0013282 1.1930189 0.8307829 55.2394879 11.44191016 0.4188356 0.2440759 0.566798 22.826096	



FAST
Good number of keypoints defining vehicle edge [+0.8] Indicators are detected goofd+1]. Rear window has quite a good numbers [+1]. Number plate is detected and one or two keypoints are identified. [+0.3]. Avg Running time - [0.6ms] which is impressive[+1]. My overall rating [4.1/5]



HARRIS
Seems very less number of keypoints on edges [+0.2] and indicators are detected [+1]. Rear window has meagre keypoints [+0.2]. Average Running Time (15 ms) - [+0.6] - My rating 2/5



The vehicle edges are being detected seems there are some spillovers to road [+0.7], indicators has most number of keypoints in scales [+1]. Rear window also has a considerable keypoints [+0.7]. No keypoints on Number plate.Avg Running time 7 ms - [+0.8]. My Rating: 3.2/5

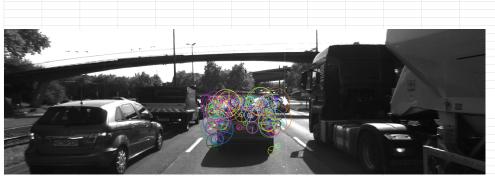


SHITOMASI

Number plate has more number of keypoints (+1) compared to vehicle eges, the rear window has less number of points. Indicator lights are also detected(+1). Overall Average Detector for the current setting. Avg Running time (11ms) - (0.6) . My rating - [2.6/5]



The vehicle edges are detected but some keypoints spilled on to road(+0.5) and considerable number of key points on rear window tool+0.5) indicators are also detected at small scales(+1). Numb plate has less keypoints for this setting (+0.4). Average Running Time: 139ms which is high., My rating 2.85



BRISK
The vehicle edges are very well detected at different scale levels[+1] and good numbers of keypoints in the rear window too[+1]. Indicators are also very well detected [+1] at small scales. Tying to capture most keypoints. Number plates has ok keypoints [0.5]. Avg Running Time 33ms. [+0.3] - My rating 3.8/5



AKAZE
The vehicle edges are detected good [+1], average key points on rear window [+0.7], No Keypoints on Number plate . Indicators are detected [+1]. Average Running Time : 20 Ims which way too high . My rating : [2.7/5]