

window-size = 3															
	rails	joomla	angular	ceph	ansible	facebook	elastic	docker	cocos2d	django	hashicorp	emberjs	JuliaLang	dotnet	average
preciou@1	100.00%	84.21%	100.00%	89.47%	92.11%	84.21%	78.95%	97.30%	81.58%	89.19%	81.08%	71.05%	46.15%	63.16%	82.75%
preciou@2	93.51%	71.43%	100.00%	80.52%	87.01%	70.13%	42.86%	65.33%	56.58%	62.67%	62.67%	43.42%	28.21%	35.06%	64.24%
preciou@3	91.38%	66.96%	96.88%	74.14%	62.93%	48.28%	31.30%	44.25%	38.60%	42.86%	42.86%	32.46%	20.34%	23.28%	51.18%
preciou@4	85.16%	59.09%	97.67%	56.77%	47.74%	36.13%	24.68%	33.11%	30.26%	32.67%	32.00%	24.84%	15.29%	17.42%	42.35%
preciou@5	82.47%	49.22%	98.15%	45.36%	38.66%	28.87%	19.69%	26.98%	24.21%	26.20%	26.20%	19.90%	12.69%	13.99%	36.61%
recall@1	19.10%	21.05%	8.93%	32.69%	33.98%	43.24%	48.39%	59.02%	54.39%	60.00%	57.69%	58.70%	42.86%	80.00%	44.29%
recall@2	36.18%	36.18%	18.75%	59.62%	65.05%	72.97%	53.23%	80.33%	75.44%	85.45%	90.38%	71.74%	52.38%	90.00%	63.41%
recall@3	53.27%	50.66%	27.68%	82.69%	70.87%	75.68%	58.06%	81.97%	77.19%	87.27%	92.31%	80.43%	57.14%	90.00%	70.37%
recall@4	66.33%	59.87%	37.50%	84.62%	71.84%	75.68%	61.29%	81.97%	80.70%	89.09%	92.31%	82.61%	57.14%	90.00%	73.64%
recall@5	80.40%	62.50%	47.32%	84.62%	72.82%	75.68%	61.29%	83.61%	80.70%	89.09%	94.23%	82.61%	59.52%	90.00%	76.03%
f1-score@1	32.07%	33.68%	16.39%	47.89%	49.65%	57.14%	60.00%	73.47%	65.26%	71.74%	67.42%	64.29%	44.44%	70.59%	57.70%
f1-score@2	52.17%	48.03%	31.58%	68.51%	74.44%	71.52%	47.48%	72.06%	64.66%	72.31%	74.02%	54.10%	36.67%	50.47%	63.82%
f1-score@3	67.30%	57.68%	43.06%	78.18%	66.67%	58.95%	40.68%	57.47%	51.46%	57.48%	58.54%	46.25%	30.00%	36.99%	59.26%
f1-score@4	74.58%	59.48%	54.19%	67.95%	57.36%	48.91%	35.19%	47.17%	44.02%	47.80%	47.52%	38.19%	24.12%	29.19%	53.77%
f1-score@5	81.42%	55.07%	63.86%	59.06%	50.51%	41.79%	29.80%	40.80%	37.25%	40.50%	41.00%	32.07%	20.92%	24.22%	49.43%
MRR	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
MAP@1	100.00%	78.56%	100.00%	86.03%	90.47%	73.96%	71.33%	96.83%	77.96%	86.06%	74.70%	67.71%	39.83%	53.38%	78.34%
MAP@2	91.45%	62.66%	100.00%	72.10%	81.76%	59.50%	37.76%	63.68%	50.47%	56.96%	54.20%	37.62%	21.77%	28.60%	58.47%
MAP@3	88.11%	54.95%	96.46%	64.42%	58.60%	40.51%	26.32%	42.66%	34.13%	38.68%	36.84%	26.55%	14.78%	18.98%	45.86%
MAP@4	80.47%	47.13%	96.69%	49.01%	44.20%	30.32%	20.03%	31.93%	26.06%	29.16%	27.51%	19.97%	11.11%	14.21%	37.70%
MAP@5	76.60%	38.77%	96.95%	39.16%	35.52%	24.22%	15.98%	25.68%	20.85%	23.39%	22.20%	16.00%	8.93%	11.41%	32.55%

window-size = 5															
	rails	joomla	angular	ceph	ansible	facebook	elastic	docker	cocos2d	django	hashicorp	emberjs	JuliaLang	dotnet	average
preciou@1	94.74%	92.11%	100.00%	97.37%	100.00%	97.37%	84.21%	97.30%	94.74%	91.89%	100.00%	86.84%	64.10%	60.53%	90.08%
preciou@2	97.40%	93.51%	100.00%	96.10%	83.12%	74.03%	49.35%	74.67%	64.47%	68.00%	62.67%	52.63%	38.46%	29.87%	70.31%
preciou@3	96.55%	83.48%	100.00%	81.90%	67.24%	56.03%	35.65%	49.56%	46.49%	46.43%	42.86%	36.84%	28.81%	21.55%	56.67%
preciou@4	93.55%	76.62%	100.00%	63.87%	56.77%	42.58%	27.92%	38.41%	34.87%	34.67%	32.00%	27.45%	21.66%	17.42%	47.70%
preciou@5	91.24%	62.69%	100.00%	52.06%	47.94%	34.02%	23.32%	30.69%	28.42%	28.34%	25.67%	21.99%	17.26%	14.51%	41.30%
recall@1	18.09%	23.03%	8.93%	35.58%	36.89%	50.00%	51.61%	59.02%	63.16%	61.82%	71.15%	71.74%	59.52%	76.67%	49.09%
recall@2	37.69%	47.37%	18.75%	71.15%	62.14%	77.03%	61.29%	91.80%	85.96%	92.73%	90.38%	86.96%	71.43%	76.67%	69.38%
recall@3	56.28%	63.16%	28.57%	91.35%	75.73%	87.84%	66.13%	91.80%	92.98%	94.55%	92.31%	91.30%	80.95%	83.33%	78.31%
recall@4	72.86%	77.63%	38.39%	95.19%	85.44%	89.19%	69.35%	95.08%	92.98%	94.55%	92.31%	91.30%	80.95%	90.00%	83.23%
recall@5	88.94%	79.61%	48.21%	97.12%	90.29%	89.19%	72.58%	95.08%	94.74%	96.36%	92.31%	91.30%	80.95%	93.33%	86.43%
f1-score@1	30.38%	36.84%	16.39%	52.11%	53.90%	66.07%	64.00%	73.47%	75.79%	73.91%	83.15%	78.57%	61.73%	67.65%	63.55%
f1-score@2	54.35%	62.88%	31.58%	81.77%	71.11%	75.50%	54.68%	82.35%	73.68%	78.46%	74.02%	65.57%	50.00%	42.99%	69.84%
f1-score@3	71.11%	71.91%	44.44%	86.36%	71.23%	68.42%	46.33%	64.37%	61.99%	62.28%	58.54%	52.50%	42.50%	34.25%	65.75%
f1-score@4	81.92%	77.12%	55.48%	76.45%	68.22%	57.64%	39.81%	54.72%	50.72%	50.73%	47.52%	42.21%	34.17%	29.19%	60.64%
f1-score@5	90.08%	70.14%	65.06%	67.79%	62.63%	49.25%	35.29%	46.40%	43.72%	43.80%	40.17%	35.44%	28.45%	25.11%	55.89%
MRR	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
MAP@1	91.67%	86.85%	100.00%	96.58%	100.00%	97.00%	81.02%	97.07%	94.45%	88.43%	100.00%	82.50%	60.60%	51.03%	87.66%
MAP@2	94.07%	88.08%	100.00%	93.91%	81.92%	71.69%	45.90%	72.82%	62.16%	63.27%	61.56%	48.41%	33.58%	25.19%	67.33%
MAP@3	93.32%	77.66%	100.00%	79.20%	63.43%	52.35%	31.72%	48.33%	43.46%	42.86%	41.78%	33.02%	23.34%	17.20%	53.41%
MAP@4	90.01%	69.59%	100.00%	61.21%	51.36%	39.51%	24.11%	36.73%	32.60%	32.00%	31.20%	24.60%	17.54%	13.15%	44.54%
MAP@5	87.07%	56.62%	100.00%	49.50%	42.39%	31.57%	19.50%	29.34%	26.24%	25.84%	25.03%	19.71%	13.98%	10.64%	38.39%

window-size = 7															
	rails	joomla	angular	ceph	ansible	facebook	elastic	docker	cocos2d	django	hashicorp	emberjs	JuliaLang	dotnet	average
preciou@1	97.37%	92.11%	100.00%	100.00%	97.37%	94.74%	81.58%	94.59%	92.11%	89.19%	89.19%	84.21%	61.54%	60.53%	88.18%
preciou@2	97.40%	89.61%	100.00%	92.21%	83.12%	74.03%	48.05%	73.33%	63.16%	69.33%	65.33%	51.32%	34.62%	33.77%	69.66%
preciou@3	95.69%	81.74%	100.00%	82.76%	71.55%	53.45%	34.78%	49.56%	44.74%	46.43%	43.75%	35.09%	26.27%	22.41%	56.30%
preciou@4	91.61%	70.78%	100.00%	64.52%	56.77%	40.65%	26.62%	37.09%	33.55%	35.33%	32.67%	26.80%	20.38%	18.06%	46.77%
preciou@5	85.57%	59.59%	98.15%	52.58%	45.88%	32.47%	22.28%	29.63%	26.84%	28.34%	26.20%	21.47%	17.77%	14.51%	40.09%
recall@1	18.59%	23.03%	8.93%	36.54%	35.92%	48.65%	50.00%	57.38%	61.40%	60.00%	63.46%	69.57%	57.14%	76.67%	47.66%
recall@2	37.69%	45.39%	18.75%	68.27%	62.14%	77.03%	59.68%	90.16%	84.21%	94.55%	94.23%	84.78%	64.29%	86.67%	69.13%
recall@3	55.78%	61.84%	28.57%	92.31%	80.58%	83.78%	64.52%	91.80%	89.47%	94.55%	94.23%	86.96%	73.81%	86.67%	77.49%
recall@4	71.36%	71.71%	38.39%	96.15%	85.44%	85.14%	66.13%	91.80%	89.47%	96.36%	94.23%	89.13%	76.19%	93.33%	81.77%
recall@5	83.42%	75.66%	47.32%	98.08%	86.41%	85.14%	69.35%	91.80%	89.47%	96.36%	94.23%	89.13%	83.33%	93.33%	84.50%
f1-score@1	31.22%	36.84%	16.39%	53.52%	52.48%	64.29%	62.00%	71.43%	73.68%	71.74%	74.16%	76.19%	59.26%	67.65%	61.88%
f1-score@2	54.35%	60.26%	31.58%	78.45%	71.11%	75.50%	53.24%	80.88%	72.18%	80.00%	77.17%	63.93%	45.00%	48.60%	69.40%
f1-score@3	70.48%	70.41%	44.44%	87.27%	75.80%	65.26%	45.20%	64.37%	59.65%	62.28%	59.76%	50.00%	38.75%	35.62%	65.22%
f1-score@4	80.23%	71.24%	55.48%	77.22%	68.22%	55.02%	37.96%	52.83%	48.80%	51.71%	48.51%	41.21%	32.16%	30.27%	59.51%
f1-score@5	84.48%	66.67%	63.86%	68.46%	59.93%	47.01%	33.73%	44.80%	41.30%	43.80%	41.00%	34.60%	29.29%	25.11%	54.38%
MRR	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	50.00%	100.00%	100.00%	96.43%
MAP@1	95.58%	84.81%	100.00%	100.00%	97.37%	89.55%	76.50%	94.11%	87.52%	84.01%	82.14%	63.75%	52.73%	53.78%	82.99%
MAP@2	95.52%	82.28%	100.00%	90.66%	78.45%	66.92%	43.29%	69.72%	59.18%	61.82%	58.37%	39.23%	28.27%	28.31%	64.43%
MAP@3	93.50%	73.30%	100.00%	79.63%	64.96%	47.32%	30.06%	46.90%	40.76%	41.40%	39.09%	26.61%	19.62%	18.79%	51.57%
MAP@4	88.66%	62.42%	100.00%	61.54%	50.72%	35.75%	22.63%	35.09%	30.57%	31.15%	29.19%	20.03%	14.90%	14.34%	42.64%
MAP@5	82.09%	51.84%	98.15%	49.77%	40.79%	28.56%	18.32%	28.04%	24.46%	24.98%	23.41%	16.04%	12.18%	11.52%	36.44%

window-size = 9															
	rails	joomla	angular	ceph	ansible	facebook	elastic	docker	cocos2d	django	hashicorp	emberjs	JuliaLang	dotnet	average
preciou@1	100.00%	97.37%	100.00%	100.00%	100.00%	97.37%	84.21%	100.00%	97.37%	97.30%	100.00%	86.84%	69.23%	60.53%	92.16%
preciou@2	100.00%	97.40%	100.00%	98.70%	92.21%	79.22%	50.65%	73.33%	64.47%	65.33%	62.67%	53.95%	41.03%	33.77%	72.34%
preciou@3	98.28%	90.43%	100.00%	79.31%	70.69%	54.31%	37.39%	48.67%	46.49%	44.64%	41.96%	36.84%	27.97%	23.28%	57.16%
preciou@4	94.84%	74.03%	100.00%	61.29%	54.84%	41.29%	29.22%	36.42%	35.53%	33.33%	32.00%	27.45%	22.29%	17.42%	47.14%
preciou@5	89.18%	62.18%	100.00%	50.00%	45.36%	34.02%	23.32%	29.63%	28.42%	26.74%	26.74%	21.99%	18.27%	14.51%	40.74%
recall@1	19.10%	24.34%	8.93%	36.54%	36.89%	50.00%	51.61%	60.66%	64.91%	65.45%	71.15%	71.74%	64.29%	76.67%	50.16%
recall@2	38.69%	49.34%	18.75%	73.08%	68.93%	82.43%	62.90%	90.16%	85.96%	89.09%	90.38%	89.13%	76.19%	86.67%	71.55%
recall@3	57.29%	68.42%	28.57%	88.46%	79.61%	85.14%	69.35%	90.16%	92.98%	90.91%	90.38%	91.30%	78.57%	90.00%	78.65%
recall@4	73.87%	75.00%	38.39%	91.35%	82.52%	86.49%	72.58%	90.16%	94.74%	90.91%	92.31%	91.30%	83.33%	90.00%	82.35%
recall@5	86.93%	78.95%	48.21%	93.27%	85.44%	89.19%	72.58%	91.80%	94.74%	90.91%	96.15%	91.30%	85.71%	93.33%	85.61%
f1-score@1	32.07%	38.95%	16.39%	53.52%	53.90%	66.07%	64.00%	75.51%	77.89%	78.26%	83.15%	78.57%	66.67%	67.65%	64.96%
f1-score@2	55.80%	65.50%	31.58%	83.98%	78.89%	80.79%	56.12%	80.88%	73.68%	75.38%	74.02%	67.21%	53.33%	48.60%	71.94%
f1-score@3	72.38%	77.90%	44.44%	83.64%	74.89%	66.32%	48.59%	63.22%	61.99%	59.88%	57.32%	52.50%	41.25%	36.99%	66.21%
f1-score@4	83.05%	74.51%	55.48%	73.36%	65.89%	55.90%	41.67%	51.89%	51.67%	48.78%	47.52%	42.21%	35.18%	29.19%	59.96%
f1-score@5	88.04%	69.57%	65.06%	65.10%	59.26%	49.25%	35.29%	44.80%	43.72%	41.32%	41.84%	35.44%	30.13%	25.11%	55.21%
MRR	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
MAP@1	100.00%	96.48%	100.00%	100.00%	100.00%	95.96%	82.71%	100.00%	97.23%	95.08%	100.00%	85.46%	58.20%	55.38%	90.46%
MAP@2	100.00%	95.65%	100.00%	98.29%	91.73%	76.55%	47.44%	72.10%	61.67%	63.19%	61.68%	50.95%	32.35%	29.23%	70.06%
MAP@3	97.72%	88.06%	100.00%	78.07%	68.13%	51.89%	33.28%	47.85%	43.17%	42.87%	41.30%	34.43%	21.70%	19.68%	54.87%
MAP@4	93.84%	71.41%	100.00%	59.73%	52.20%	39.13%	25.26%	35.81%	32.66%	32.01%	31.07%	25.65%	16.66%	14.73%	45.01%
MAP@5	87.43%	59.08%	100.00%	48.36%	42.46%	31.64%	20.16%	28.78%	26.13%	25.68%	25.24%	20.55%	13.38%	11.92%	38.63%

window-size = 11															
	rails	joomla	angular	ceph	ansible	facebook	elastic	docker	cocos2d	django	hashicorp	emberjs	JuliaLang	dotnet	average
preciou@1	100.00%	100.00%	100.00%	100.00%	100.00%	97.37%	84.21%	97.30%	97.37%	100.00%	97.30%	86.84%	61.54%	60.53%	91.60%
preciou@2	100.00%	96.10%	100.00%	100.00%	92.21%	77.92%	45.45%	73.33%	63.16%	69.33%	62.67%	52.63%	38.46%	35.06%	71.88%
preciou@3	98.28%	90.43%	100.00%	78.45%	73.28%	52.59%	33.04%	50.44%	42.98%	46.43%	41.96%	35.09%	26.27%	23.28%	56.61%
preciou@4	94.84%	75.97%	100.00%	60.00%	56.77%	42.58%	27.27%	37.75%	33.55%	34.67%	32.00%	26.80%	20.38%	18.06%	47.19%
preciou@5	90.21%	61.66%	100.00%	48.97%	47.42%	34.02%	22.28%	30.16%	26.84%	27.81%	25.67%	21.47%	16.75%	14.51%	40.55%
recall@1	19.10%	25.00%	8.93%	36.54%	36.89%	50.00%	51.61%	59.02%	64.91%	67.27%	69.23%	71.74%	57.14%	76.67%	49.58%
recall@2	38.69%	48.68%	18.75%	74.04%	68.93%	81.08%	56.45%	90.16%	84.21%	94.55%	90.38%	86.96%	71.43%	90.00%	71.02%
recall@3	57.29%	68.42%	28.57%	87.50%	82.52%	82.43%	61.29%	93.44%	85.96%	94.55%	90.38%	86.96%	73.81%	90.00%	77.37%
recall@4	73.87%	76.97%	38.39%	89.42%	85.44%	89.19%	67.74%	93.44%	89.47%	94.55%	92.31%	89.13%	76.19%	93.33%	82.10%
recall@5	87.94%	78.29%	48.21%	91.35%	89.32%	89.19%	69.35%	93.44%	89.47%	94.55%	92.31%	89.13%	78.57%	93.33%	84.60%
f1-score@1	32.07%	40.00%	16.39%	53.52%	53.90%	66.07%	64.00%	73.47%	77.89%	80.43%	80.90%	78.57%	59.26%	67.65%	64.33%
f1-score@2	55.80%	64.63%	31.58%	85.08%	78.89%	79.47%	50.36%	80.88%	72.18%	80.00%	74.02%	65.57%	50.00%	50.47%	71.45%
f1-score@3	72.38%	77.90%	44.44%	82.73%	77.63%	64.21%	42.94%	65.52%	57.31%	62.28%	57.32%	50.00%	38.75%	36.99%	65.38%
f1-score@4	83.05%	76.47%	55.48%	71.81%	68.22%	57.64%	38.89%	53.77%	48.80%	50.73%	47.52%	41.21%	32.16%	30.27%	59.93%
f1-score@5	89.06%	68.99%	65.06%	63.76%	61.95%	49.25%	33.73%	45.60%	41.30%	42.98%	40.17%	34.60%	27.62%	25.11%	54.83%
MRR	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
MAP@1	100.00%	100.00%	100.00%	100.00%	100.00%	91.07%	81.58%	97.30%	96.58%	100.00%	96.15%	85.96%	55.48%	57.88%	90.14%
MAP@2	100.00%	95.69%	100.00%	100.00%	90.55%	73.46%	43.03%	71.96%	60.96%	68.06%	60.71%	50.30%	31.92%	31.41%	69.86%
MAP@3	97.88%	88.80%	100.00%	77.50%	70.81%	49.37%	29.98%	49.01%	41.04%	45.58%	40.65%	33.53%	21.39%	20.85%	54.74%
MAP@4	93.87%	73.31%	100.00%	58.81%	54.20%	38.52%	23.24%	36.68%	31.29%	34.03%	30.60%	25.19%	16.22%	15.73%	45.12%
MAP@5	88.41%	59.22%	100.00%	47.50%	44.39%	30.78%	18.67%	29.30%	25.03%	27.30%	24.54%	20.18%	13.02%	12.63%	38.64%