TABLE XIII. COMPARISON OF THE CRACKING RATE OF FOUR DIFFERENT ATTACK METHODS OF CROSS-SITE SCENARIOS.

Experimental setup		RANKGUESS-PII	RFGuess-PII [84]	Targuess-I [81]	TarMarkov-3order [79]	TarMarkov-4order [79]
Attacking scenario	Number of guesses					
#1: 1M PII-000Webhost→PII-000Webhost_test	10	**8.36%**	5.78%	8.12%	1.95%	1.98%
	10^5	13.99%	**18.18%**	14.32%	13.08%	13.53%
	10^8	**23.38%**	23.22%	20.59%	22.16%	22.20%
	10^{14}	**73.06%**	62.52%	36.43%	51.46%	53.32%
#2: 1M PII-CSDN → PII-CSDN_test	10	14.36%	**24.20%**	14.55%	16.47%	15.55%
	10^5	**34.51%**	33.45%	34.11%	34.08%	34.48%
	10^8	**58.69%**	58.06%	34.08%	47.18%	48.92%
	10^{14}	**96.55%**	91.44%	43.67%	77.29%	79.99%
#3: 1M PII-12306 → PII-12306_test	10	12.53%	**16.32%**	11.28%	8.53%	8.54%
	10^5	**33.29%**	33.21%	29.88%	31.70%	31.56%
	10^8	57.92%	**59.97%**	34.11%	49.82%	46.07%
	10^{14}	**96.68%**	82.40%	44.86%	88.01%	83.43%
#4: 1M PII-Rootkit → PII-Rootkit_test	10	5.57%	**7.24%**	6.18%	4.91%	4.92%
	10^5	**33.22%**	23.21%	22.05%	20.21%	20.21%
	10^8	**42.78%**	42.54%	28.66%	29.98%	30.01%
	10^{14}	**89.37%**	82.40%	31.34%	69.89%	70.12%
#5: 1M PII-ClixSense → PII-ClixSense_test	10	8.36%	7.14%	**9.14%**	8.16%	8.11%
	10^5	**35.16%**	31.79%	27.55%	29.23%	30.25%
	10^8	**60.73%**	57.21%	31.63%	51.32%	52.43%
	10^{14}	**96.36%**	86.16%	56.93%	79.90%	84.21%
#6: PII-Mixed†: 90% → 10%	10	**18.07%**	15.36%	17.13%	16.97%	17.73%
	10^5	**31.91%**	29.50%	26.32%	27.89%	28.66%
	10^8	67.86%	**68.32%**	66.62%	63.69%	61.88%
	10^{14}	**99.28%**	96.36%	93.19%	91.82%	92.96%
#7: PII-Mixed: 70% → 30%	10	**16.55%**	15.36%	14.1%	13.94%	14.72%
	10^5	28.70%	27.60%	**29.31%**	26.63%	27.47%
	10^8	**62.67%**	60.17%	61.43%	57.58%	58.85%
	10^{14}	**93.60%**	91.25%	65.66%	88.23%	89.15%
#8: PII-Mixed: 50% → 50%	10	**16.17%**	15.16%	14.32%	12.86%	13.48%
	10^5	27.41%	26.78%	**28.76%**	26.90%	27.57%
	10^8	**57.16%**	56.44%	58.91%	49.77%	50.87%
	10^{14}	**91.73%**	89.23%	61.27%	85.50%	86.79%
#3A: $\frac{1}{2}$ PII-12306 → PII-CSDN	10	**11.88%**	11.28%	12.66%	10.28 %	10.30%
	10^5	**24.69%**	23.56%	22.13%	20.78%	21.53%
	10^8	**47.19%**	45.48%	46.16%	41.36%	40.19%
	10^{14}	**81.50%**	78.13%	62.64%	75.66%	76.96%
#3B: $\frac{1}{4}$ PII-12306 → PII-CSDN	10	**10.31%**	9.73%	9.87%	8.52%	7.61%
	10^5	**18.68%**	17.35%	18.39%	17.10%	15.39%
	10^8	**41.92%**	38.34%	40.32%	38.61%	36.53%
	10^{14}	**72.36%**	69.63%	58.98%	61.94%	60.73%
#3C: $\frac{1}{8}$ PII-12306 → PII-CSDN	10	**7.12%**	7.46%	7.65%	5.27%	6.71%
	10^5	**14.66%**	14.58%	13.79%	12.13%	12.78%
	10^8	**26.77%**	26.16%	24.11%	23.33%	22.66%
	10^{14}	**58.02%**	56.21%	49.66%	55.44%	51.14%
#3A: $\frac{1}{2}$ PII-ClixSense → PII-000Webhost	10	**9.47%**	9.13%	8.56%	8.18%	7.93%
	10^5	**18.01%**	17.49%	16.60%	16.30%	15.85%
	10^8	**23.89%**	23.12%	24.45%	22.40%	21.75%
	10^{14}	**62.50%**	58.88%	53.56%	55.05%	59.62%
#3B: $\frac{1}{4}$ PII-ClixSense → PII-000Webhost	10	8.51%	7.28%	**8.98%**	6.24%	7.18%
	10^5	**16.07%**	15.65%	15.39%	12.38%	14.90%
	10^8	**23.92%**	22.48%	22.59%	20.70%	23.07%
	10^{14}	**58.36%**	55.67%	52.09%	50.01%	51.48%
#3C: $\frac{1}{8}$ PII-ClixSense → PII-000Webhost	10	**8.48%**	7.39%	8.12%	8.01%	8.31%
	10^5	**14.66%**	13.76%	12.91%	13.20%	14.63%
	10^8	**25.21%**	24.94%	24.16%	21.03%	23.38%
	10^{14}	**57.02%**	55.20%	48.93%	52.23%	52.54%

† We mix three English datasets (*i.e.*, 000Webhost, Rootkit, and ClixSense) and three Chinese datasets (*i.e.*, CSDN, 12306, and Dodonew) and use 90%, 70% and 50% for training and the test 10%, 30% and 50% all of them. Further, elucidates the stability of our approach in the case of a larger training dataset.