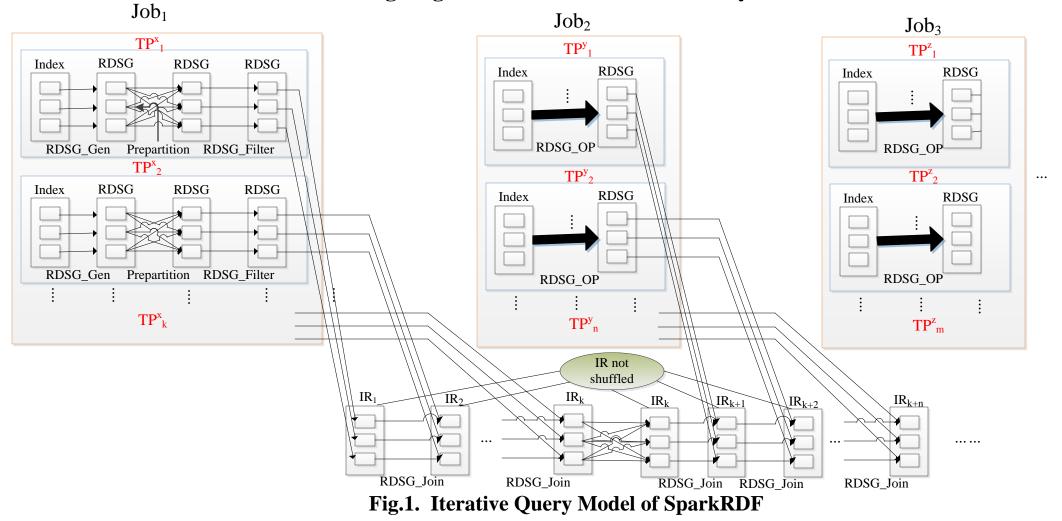
## **SparkRDF: Elastic Discreted RDF Graph Processing Engine With Distributed Memory**



	LUBM-10000			LUBM-20000			LUBM-30000		
	cluster			cluster	-		cluster	systems	centralized
	ann		system			system			system
Ш								HRDF	RDF3X
Q1	478.5	8475.4	2131.4	1123.2	>3h	4380.3	1435.4	>3.5h	failed
Q2	11.9		13.8	25.8		28.9	40.3	>2.5h	43.5
_	1.4		24.6	1.4	>2.5h	90.7		>3h	failed
	14.4	11940.3		23.8	,		32.5	,	0.8
Q5			0.7	10.9	,	0.7		,	0.7
-6-	10.3		0.6	16.4	,			,	0.7
Q7	54.6	1911.2	101.5	112.5	>0.7h	198.5	201.3	>1h	853.0

Fig.2. Performance comparison for SparkRDF(SRDF), HadoopRDF(HRDF) and RDF3X