|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 94,29%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {enabl,execut,label,**learn algorithm**}->90 (90=12, outros=12)  {**detect**,distribut,execut}->90 (90=18, outros=27)  {enabl,techniqu}->90 (90=17, outros=28)  {collect,detect}->90 (90=10, outros=17)  {collect,execut}->90 (90=4, outros=5)  {data set,enabl}->90 (90=5, outros=8)  {behavior,random,similar}->90 (90=10, outros=21)  {increas,sinc}->90 (90=8, outros=17)  {hybrid,random}->90 (90=6, outros=15)  {**simila**r,valid}->90 (90=7, outros=19) | {characterist,design,distribut,known,**learn algorithm**}->90 (90=10, outros=2)  {**detect**,increas}->90 (90=6, outros=5)  {design}->90 (90=3, outros=1)  {distribut,provid}->90 (90=3, outros=3)  {learn}->90 (90=7, outros=27)  {characterist}->90 (90=1, outros=0)  {scenario,search}->90 (90=2, outros=7)  {high}->90 (90=1, outros=2)  {label,reason}->90 (90=2, outros=10)  {**similar**}->90 (90=1, outros=3) |
| sim 0,5 (SUPP+: 88,57%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {enabl,execut,label,learn algorithm}->90 (90=12, outros=12)  {distribut,enabl,execut,label}->90 (90=17, outros=21)  {collect,execut,label}->90 (90=10, outros=11)  {collect,detect,enabl,execut,label}->90 (90=20, outros=27)  {label,learn algorithm}->90 (90=8, outros=8)  {behavior,data set,enabl,execut,label}->90 (90=16, outros=21)  {behavior,collect,label,learn algorithm,random}->90 (90=16, outros=22)  {collect,enabl,execut,label,techniqu}->90 (90=25, outros=39)  {chang,enabl,execut,label,random}->90 (90=17, outros=25)  {detect,distribut,enabl}->90 (90=18, outros=27) | {characterist,design,distribut,known,learn algorithm}->90 (90=10, outros=2)  {known,learn algorithm,paramet}->90 (90=7, outros=1)  {chang,characterist,distribut}->90 (90=7, outros=2)  {known,learn algorithm,random}->90 (90=5, outros=0)  {detect,label,learn algorithm,random}->90 (90=8, outros=4)  {design,distribut}->90 (90=6, outros=2)  {becom,chang,design}->90 (90=6, outros=2)  {behavior,characterist,learn algorithm,random}->90 (90=6, outros=2)  {learn algorithm,paramet}->90 (90=5, outros=1)  {chang,design,increas}->90 (90=8, outros=5) |

CLASSE = 90 , 35 linhas (8,66%) ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 97,92%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {activ,human,involv,usual}->112 (112=14, outros=1)  {activ,**deep**,**mani**}->112 (112=19, outros=13)  {**deep**,level,**mani**}->112 (112=19, outros=14)  {learn algorithm,**mani**,usual,well-known}->112 (112=17, outros=16)  {neural network,potenti,usual}->112 (112=11, outros=10)  {express,human,machin,suitabl}->112 (112=27, outros=37)  {accord,social}->112 (112=7, outros=6)  {usual}->112 (112=3, outros=0)  {**deep**}->112 (112=5, outros=4)  {benchmark,**memori**,provid}->112 (112=14, outros=21) | {capabl,**deep**,level,**mani**,**memori**,neural}->112 (112=10, outros=0)  {depend,**mani**}->112 (112=4, outros=2)  {case}->112 (112=2, outros=0)  {investig,measur}->112 (112=3, outros=7)  {space}->112 (112=2, outros=4)  {network}->112 (112=2, outros=4)  {solut}->112 (112=2, outros=6)  {combin}->112 (112=1, outros=3)  {experiment result}->112 (112=1, outros=4)  {output,train}->112 (112=1, outros=5) |
| sim 0,5 (SUPP+: 75%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {activ,human,involv,usual}->112 (112=14, outros=1)  {activ,involv,level,understand,usual}->112 (112=15, outros=3)  {deep,human,involv,level,social,usual}->112 (112=23, outros=8)  {activ,express,involv,level,usual}->112 (112=14, outros=3)  {express,human,involv,social,understand,usual}->112 (112=21, outros=7)  {human,involv}->112 (112=10, outros=1)  {activ,human,level,social}->112 (112=15, outros=4)  {activ,human,involv,mani,usual}->112 (112=24, outros=10)  {involv,level,understand}->112 (112=12, outros=3)  {deep,express,involv,social,understand,usual}->112 (112=22, outros=10) | {capabl,case,deep,mani,memori,well-known}->112 (112=10, outros=0)  {case,deep,neural}->112 (112=6, outros=0)  {deep,mani,predict}->112 (112=8, outros=3)  {deep,memori}->112 (112=5, outros=0)  {comput,memori}->112 (112=6, outros=1)  {capabl,depend,level,neural,output,tradit}->112 (112=8, outros=3)  {capabl,case,neural,produc}->112 (112=5, outros=1)  {capabl,mani}->112 (112=4, outros=0)  {level,memori,output}->112 (112=4, outros=0)  {case,output,well-known}->112 (112=4, outros=0) |

CLASSE = 112 , 48 linhas (11,88%) ou 10 linhas (10%)

CLASSE = 118: 72 linhas (17,82%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 79,17%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {assess,**cluster algorithm**,databas,**ensembl**,great,monitor,**size**}->118 (118=44, outros=7)  {**cluster algorithm**,monitor}->118 (118=17, outros=3)  {great,**size**}->118 (118=11, outros=2)  {databas,purpos}->118 (118=9, outros=1)  {**size**}->118 (118=7, outros=1)  {**individu**,**possibl**}->118 (118=14, outros=7)  {final,possibl}->118 (118=13, outros=8)  {evolutionari,monitor}->118 (118=13, outros=8)  {advantag,assess}->118 (118=6, outros=1)  {ani,assess}->118 (118=4, outros=0) | {**ensembl**,group,input,**possibl**,**size**}->118 (118=10, outros=1)  {group,input}->118 (118=4, outros=1)  {appli,function}->118 (118=4, outros=5)  {group}->118 (118=2, outros=1)  {approach use,automat,deep,featur}->118 (118=4, outros=16)  {evalu}->118 (118=3, outros=11)  {statist}->118 (118=1, outros=1)  {extend,**individu**}->118 (118=1, outros=1)  {empir}->118 (118=1, outros=1)  {**cluster algorithm**,problem}->118 (118=4, outros=21) |
| sim 0,5 (SUPP+: 63,89%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {assess,cluster algorithm,databas,ensembl,great,monitor,size}->118 (118=44, outros=7)  {ani,assess,databas,ensembl,monitor}->118 (118=23, outros=2)  {ani,assess,databas,individu,monitor,size}->118 (118=25, outros=3)  {cluster algorithm,databas,ensembl}->118 (118=31, outros=5)  {assess,ensembl,individu,monitor,size}->118 (118=23, outros=3)  {databas,ensembl,monitor}->118 (118=20, outros=2)  {assess,cluster algorithm,individu,monitor}->118 (118=24, outros=4)  {ani,assess,ensembl,great}->118 (118=18, outros=2)  {assess,cluster algorithm,monitor}->118 (118=19, outros=3)  {assess,great,monitor,size}->118 (118=16, outros=2) | {group,individu,input,possibl,size}->118 (118=10, outros=1)  {given,group,size}->118 (118=7, outros=1)  {classifi,size}->118 (118=5, outros=0)  {ensembl,size}->118 (118=5, outros=0)  {assess,ensembl,input}->118 (118=5, outros=0)  {cluster algorithm,given,possibl}->118 (118=5, outros=0)  {cluster algorithm,individu,input}->118 (118=5, outros=0)  {function,possibl,size}->118 (118=6, outros=2)  {ensembl,function,input}->118 (118=6, outros=2)  {automat,similar,size}->118 (118=7, outros=4) |

CLASSE = 45: 60 linhas (14,85%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 96,67%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {**local**,**multi-object**,natur,product,result obtain,swarm}->45 (45=35, outros=2)  {adapt,product,swarm}->45 (45=25, outros=9)  {abil,adapt,heurist}->45 (45=22, outros=12)  {natur,optim problem}->45 (45=8, outros=2)  {indic}->45 (45=14, outros=9)  {execut,hybrid,search}->45 (45=19, outros=21)  {onli,search}->45 (45=16, outros=19)  {framework}->45 (45=5, outros=3)  {natur,product}->45 (45=3, outros=0)  {execut,strategi}->45 (45=12, outros=16) | {limit,**multi-object**,oper,optim problem}->45 (45=9, outros=0)  {evolutionari}->45 (45=4, outros=2)  {object}->45 (45=3, outros=3)  {deal}->45 (45=2, outros=5)  {good}->45 (45=1, outros=0)  {interact}->45 (45=1, outros=0)  {**local**}->45 (45=1, outros=0)  {context,differ}->45 (45=3, outros=14)  {investig,promis result}->45 (45=2, outros=9)  {good,model}->45 (45=2, outros=13) |
| sim 0,5 (SUPP+: 93,33%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {local,multi-object,natur,product,result obtain,swarm}->45 (45=35, outros=2)  {compos,multi-object,optim problem}->45 (45=30, outros=4)  {local,natur,oper,swarm}->45 (45=30, outros=5)  {local,optim problem,product,swarm}->45 (45=21, outros=3)  {adapt,heurist,local,multi-object,natur,product}->45 (45=41, outros=11)  {compos,heurist,local,swarm}->45 (45=23, outros=4)  {heurist,local,natur,optim problem,product}->45 (45=21, outros=4)  {analyz,heurist,multi-object}->45 (45=30, outros=9)  {multi-object,product,test}->45 (45=39, outros=14)  {compos,optim problem,swarm}->45 (45=18, outros=4) | {main,multi-object,oper,optim problem}->45 (45=9, outros=0)  {evolutionari,oper,veri}->45 (45=8, outros=2)  {oper,strategi}->45 (45=8, outros=2)  {instanc,variabl}->45 (45=6, outros=1)  {adapt,evolutionari algorithm,good}->45 (45=7, outros=3)  {good,object,variabl}->45 (45=7, outros=3)  {oper,statist}->45 (45=5, outros=1)  {evolutionari algorithm,optim problem,veri}->45 (45=5, outros=1)  {aim,instanc,test}->45 (45=9, outros=6)  {optim,probabilist,variant}->45 (45=9, outros=6) |

CLASSE = 19: 22 linhas (5,45%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 100%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {averag,**construct**,**observ**}->19 (19=9, outros=5)  {intellig,**observ**}->19 (19=6, outros=6)  {averag,tree}->19 (19=6, outros=9)  {**label**,**relev**,represent}->19 (19=11, outros=26)  {artifici,initi,origin}->19 (19=9, outros=22)  {classif,current}->19 (19=11, outros=32)  {concept,experiment result}->19 (19=6, outros=16)  {intellig}->19 (19=2, outros=3)  {**label**,**paper propos**,statist}->19 (19=9, outros=33)  {**relev**}->19 (19=3, outros=8) | {**construct**,effect,literatur,**observ**,suggest}->19 (19=9, outros=0)  {literatur,origin}->19 (19=3, outros=0)  {**paper propos**,**relev**}->19 (19=3, outros=1)  {**label**,suggest}->19 (19=3, outros=2)  {howev,mani}->19 (19=3, outros=11)  {class,suggest}->19 (19=2, outros=6)  {accuraci,literatur,solv}->19 (19=2, outros=7)  {approach,work}->19 (19=5, outros=36)  {class}->19 (19=1, outros=6)  {compar}->19 (19=1, outros=6) |
| sim 0,5 (SUPP+: 90,91%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {averag,construct,observ}->19 (19=9, outros=5)  {construct,observ,tree}->19 (19=13, outros=12)  {construct,effect,observ}->19 (19=12, outros=12)  {construct,experiment result,observ}->19 (19=12, outros=12)  {construct,observ,time}->19 (19=14, outros=15)  {averag,construct,intellig}->19 (19=7, outros=5)  {construct}->19 (19=4, outros=1)  {averag,construct,observ,represent}->19 (19=14, outros=16)  {construct,exampl,observ}->19 (19=11, outros=12)  {construct,observ,relev}->19 (19=11, outros=12) | {construct,effect,literatur,step,suggest}->19 (19=9, outros=0)  {effect,previous}->19 (19=5, outros=0)  {construct,effect}->19 (19=5, outros=0)  {exampl,paper propos,time}->19 (19=8, outros=3)  {construct,paper propos,suggest}->19 (19=5, outros=0)  {construct,literatur,represent}->19 (19=8, outros=3)  {construct,improv perform,tree}->19 (19=8, outros=3)  {construct,experiment result,literatur}->19 (19=6, outros=2)  {label,time}->19 (19=7, outros=4)  {complex,effect,tree}->19 (19=7, outros=4) |

CLASSE = 36: 43 linhas (10,64%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 97,67%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {common,**extend**,tool}->36 (36=13, outros=2)  {decis,general}->36 (36=19, outros=13)  {common}->36 (36=6, outros=1)  {avoid,real}->36 (36=14, outros=11)  {control,probabl}->36 (36=11, outros=8)  {**extend**}->36 (36=5, outros=1)  {general}->36 (36=9, outros=6)  {**state**}->36 (36=8, outros=7)  {domain,environ,probabilist}->36 (36=17, outros=22)  {linear}->36 (36=4, outros=3) | {**extend**,**state**,success,valu}->36 (36=9, outros=0)  {probabilist,state}->36 (36=5, outros=3)  {account}->36 (36=2, outros=0)  {experi,**extend**}->36 (36=4, outros=5)  {empir,filter}->36 (36=2, outros=1)  {focus,research}->36 (36=2, outros=4)  {applic,learn}->36 (36=7, outros=33)  {paper}->36 (36=3, outros=19)  {**extend**,variabl}->36 (36=1, outros=3)  {infer}->36 (36=1, outros=3) |
| sim 0,5 (SUPP+: 97,67%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {common,extend,tool}->36 (36=13, outros=2)  {common,extend,program,tool}->36 (36=22, outros=9)  {addit,common,extend,general}->36 (36=20, outros=8)  {common,extend,filter,state,tool}->36 (36=24, outros=11)  {common,extend,real}->36 (36=22, outros=10)  {common,extend,filter,probabl}->36 (36=19, outros=8)  {common,decis,extend,filter}->36 (36=22, outros=11)  {common,tool}->36 (36=8, outros=1)  {common,extend,process,state,tool,understand}->36 (36=34, outros=21)  {extend,filter,tool}->36 (36=10, outros=3) | {linear,state,success,valu}->36 (36=9, outros=0)  {process,state,valu}->36 (36=8, outros=2)  {common,state}->36 (36=5, outros=0)  {account,filter,linear,probabl,report,success}->36 (36=8, outros=3)  {linear,success}->36 (36=5, outros=0)  {control,process}->36 (36=7, outros=3)  {common,languag,valu}->36 (36=7, outros=3)  {behavior,filter,state}->36 (36=6, outros=2)  {function,state,success}->36 (36=6, outros=2)  {avoid,real}->36 (36=4, outros=0) |

CLASSE = 50: 24 linhas (5,94%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 100%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {**agent**,**approach use**}->50 (50=10, outros=0)  {direct,**goal**}->50 (50=11, outros=9)  {practic}->50 (50=8, outros=7)  {explor,**help**,logic}->50 (50=11, outros=14)  {direct}->50 (50=6, outros=6)  {field,known}->50 (50=9, outros=18)  {pattern,social}->50 (50=4, outros=7)  {avail,extract,relev}->50 (50=9, outros=31)  {languag,repres}->50 (50=6, outros=20)  {need,onli}->50 (50=4, outros=13) | {**agent**,**goal**,recognit}->50 (50=10, outros=0)  {**approach use**,**help**}->50 (50=2, outros=0)  {measur,mechan}->50 (50=3, outros=7)  {recognit}->50 (50=1, outros=0)  {approach}->50 (50=4, outros=23)  {analyz,dynam}->50 (50=1, outros=3)  {exist,minim}->50 (50=2, outros=12)  {decis,model,select}->50 (50=3, outros=23)  {analysi,cluster,network,therefor}->50 (50=2, outros=15)  {applic}->50 (50=1, outros=6) |
| sim 0,5 (SUPP+: 100%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {agent,approach use}->50 (50=10, outros=0)  {agent,architectur,extens}->50 (50=15, outros=4)  {agent,algorithm use,goal,logic}->50 (50=16, outros=6)  {agent,extens,reason}->50 (50=14, outros=5)  {agent,direct,extens}->50 (50=18, outros=8)  {architectur,logic}->50 (50=10, outros=3)  {agent,practic}->50 (50=15, outros=7)  {architectur,goal}->50 (50=12, outros=5)  {agent,impact,pattern}->50 (50=15, outros=8)  {goal,logic}->50 (50=10, outros=4) | {agent,choic,practic}->50 (50=10, outros=0)  {goal,support}->50 (50=6, outros=0)  {logic,practic}->50 (50=6, outros=0)  {abl,develop}->50 (50=7, outros=3)  {analysi,becaus,dynam,impact}->50 (50=6, outros=2)  {goal,recognit}->50 (50=4, outros=0)  {recognit,theori}->50 (50=4, outros=0)  {effici,practic,space}->50 (50=8, outros=5)  {analysi,dimension,reason}->50 (50=8, outros=5)  {analyz,becaus,semant}->50 (50=7, outros=4) |

CLASSE = 24: 30 linhas (7,43%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 100%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {accur,like,small,word}->24 (24=13, outros=2)  {evolut,**recommend**,small}->24 (24=12, outros=8)  {collect,semant}->24 (24=8, outros=6)  {evolut}->24 (24=5, outros=5)  {**recommend**}->24 (24=4, outros=3)  {collect,genet,standard,time,**type**}->24 (24=17, outros=35)  {determin,effect}->24 (24=8, outros=15)  {inform,real-world}->24 (24=15, outros=39)  {like}->24 (24=2, outros=1)  {framework,semant}->24 (24=5, outros=12) | {accur,area,**recommend**,**type**}->24 (24=10, outros=0)  {**type**}->24 (24=3, outros=0)  {group,moreov}->24 (24=2, outros=2)  {text}->24 (24=1, outros=2)  {howev}->24 (24=2, outros=10)  {moreov,variant}->24 (24=1, outros=3)  {requir,vector}->24 (24=2, outros=11)  {allow,strategi}->24 (24=1, outros=7)  {deal,random}->24 (24=1, outros=7)  {experi,field}->24 (24=1, outros=10) |
| sim 0,5 (SUPP+: 90%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {accur,like,small,word}->24 (24=13, outros=2)  {accur,collect,recommend,small}->24 (24=17, outros=6)  {accur,evolut,small,word}->24 (24=16, outros=6)  {accur,collect,graph,moreov}->24 (24=17, outros=7)  {accur,like}->24 (24=9, outros=2)  {accur,associ,semant,small,word}->24 (24=18, outros=9)  {accur,graph,like,recommend}->24 (24=16, outros=8)  {accur,associ,collect}->24 (24=14, outros=7)  {like,recommend,small,word}->24 (24=10, outros=4)  {accur,evolut,like,recommend,semant}->24 (24=21, outros=14) | {accur,altern,recommend,type}->24 (24=10, outros=0)  {area,consid}->24 (24=6, outros=1)  {accur,type}->24 (24=4, outros=0)  {direct,probabl}->24 (24=7, outros=4)  {altern,semant}->24 (24=7, outros=4)  {accur,analyz,relat}->24 (24=7, outros=4)  {accur,depend,evolut}->24 (24=7, outros=4)  {associ,text}->24 (24=5, outros=2)  {area,model}->24 (24=10, outros=9)  {input,knowledg,user}->24 (24=8, outros=7) |

CLASSE = 37: 39 linhas (9,65%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 100%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {hard,map,minim}->37 (37=28, outros=0)  {minim}->37 (37=13, outros=0)  {map,supervis}->37 (37=8, outros=3)  {map,mean}->37 (37=8, outros=6)  {map}->37 (37=2, outros=0)  {deal,singl}->37 (37=11, outros=25)  {consist,estim,random}->37 (37=9, outros=24)  {comparison,issu,posit,real}->37 (37=10, outros=28)  {import,network}->37 (37=14, outros=49)  {allow,common,good}->37 (37=9, outros=34) | {recent}->37 (37=10, outros=0)  {consequ,help}->37 (37=1, outros=1)  {variant}->37 (37=1, outros=2)  {propos method}->37 (37=1, outros=3)  {direct,predict}->37 (37=2, outros=11)  {classif,mani}->37 (37=2, outros=11)  {model}->37 (37=2, outros=12)  {combin,detect}->37 (37=1, outros=9) |
| sim 0,5 (SUPP+: 94,87%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {hard,map,minim}->37 (37=28, outros=0)  {lead,map,year}->37 (37=24, outros=3)  {lead,year}->37 (37=22, outros=3)  {consequ,hard,issu,supervis}->37 (37=24, outros=4)  {minim}->37 (37=13, outros=0)  {consequ,issu}->37 (37=15, outros=1)  {hard,word}->37 (37=14, outros=1)  {hard,small,work propos}->37 (37=31, outros=9)  {issu,year}->37 (37=16, outros=3)  {consequ,map}->37 (37=9, outros=0) | {recent}->37 (37=10, outros=0)  {algorithm base,cost}->37 (37=5, outros=1)  {singl,variant}->37 (37=5, outros=2)  {current,lead}->37 (37=5, outros=2)  {vector,year}->37 (37=8, outros=7)  {infer,minim}->37 (37=6, outros=4)  {current,predict,supervis}->37 (37=8, outros=7)  {indic,year}->37 (37=8, outros=7)  {current,posit,recent year,variant,year}->37 (37=8, outros=7)  {develop,promis,supervis,year}->37 (37=9, outros=9) |

CLASSE = 75: 31 linhas (7,67%), ou 10 linhas (10%)

|  |  |
| --- | --- |
| sim 0,1 (SUPP+: 93,55%) | sim 0,1 com centralidade (SUPP+: 100%) |
| {face,**genet algorithm**,**identif**,verifi}->75 (75=15, outros=1)  {**identif**,verifi}->75 (75=7, outros=1)  {**genet algorithm**}->75 (75=4, outros=0)  {verifi}->75 (75=3, outros=0)  {**accuraci**,**organ**}->75 (75=7, outros=7)  {**accuraci**}->75 (75=4, outros=5)  {scenario,text}->75 (75=10, outros=22)  {propos use,result obtain,text}->75 (75=9, outros=21)  {imag}->75 (75=4, outros=7)  {action,languag}->75 (75=5, outros=10) | {**genet algorithm**,**identifi**,particl,propos approach,train}->75 (75=10, outros=0)  {**accuraci**,imag,local,specif}->75 (75=4, outros=2)  {**identif**}->75 (75=1, outros=0)  {**organ**}->75 (75=1, outros=0)  {process,select}->75 (75=3, outros=10)  {present,sever}->75 (75=2, outros=11)  {appli,number}->75 (75=2, outros=11)  {task}->75 (75=2, outros=12)  {evalu,organ}->75 (75=2, outros=13)  {combin,design}->75 (75=1, outros=7) |
| sim 0,5 (SUPP+: 74,19%) | sim 0,5 com centralidade (SUPP+: 100%) |
| {face,genet algorithm,identif,verifi}->75 (75=15, outros=1)  {action,face,genet algorithm,organ,verifi}->75 (75=17, outros=4)  {genet algorithm,identif,verifi}->75 (75=10, outros=1)  {face,verifi}->75 (75=8, outros=0)  {action,face,genet algorithm}->75 (75=11, outros=2)  {genet algorithm,organ,verifi}->75 (75=10, outros=2)  {genet algorithm,train,verifi}->75 (75=14, outros=5)  {artifici,face,organ,verifi}->75 (75=13, outros=5)  {action,genet algorithm,verifi}->75 (75=9, outros=2)  {face,identif,implement,organ}->75 (75=14, outros=6) | {identifi,imag,organ,particl,train}->75 (75=10, outros=0)  {accuraci,face,organ}->75 (75=8, outros=1)  {best,defin}->75 (75=9, outros=4)  {face,genet algorithm,identifi,implement,improv perform}->75 (75=7, outros=3)  {defin}->75 (75=5, outros=1)  {accuraci,describ,vector}->75 (75=9, outros=6)  {requir,vector}->75 (75=8, outros=5)  {experi,novel,train}->75 (75=9, outros=7)  {present,train}->75 (75=6, outros=3)  {control,implement,well-known}->75 (75=6, outros=3) |