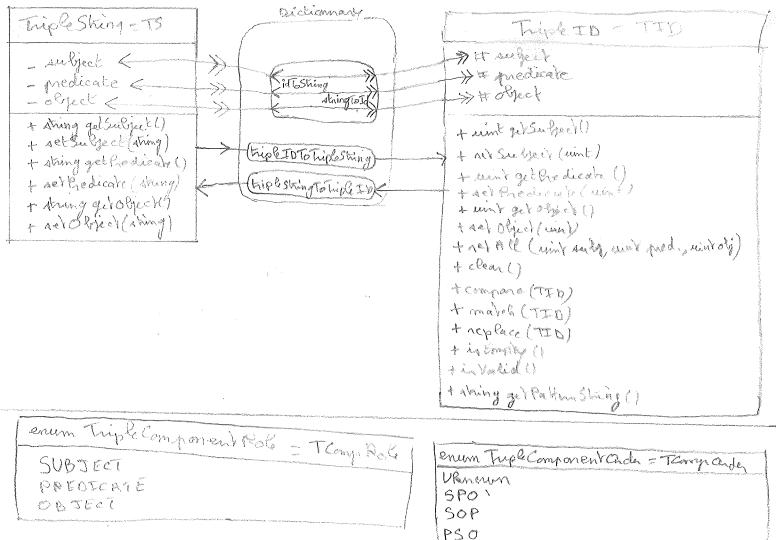
```
HOT & Rdt = Hormanya : may HOT (" fiction . rdf");
                                                                                        main off
IZTS* it = Rot -> ARANGE (URIOC-SKO, "","");
          TS to (URI, coto)"","")
           TID Wd
           dictionary = tripleString To Tiple ID (to, tid);
                                                                                      Barrio HVI : Gear of
           TETID x it = ID = Phiple -> nearch (tid) // Rhiples = holt -> hiples
                   swap Component ander (& tid, 590, Skiple -> get ander ()
                                                                                      Bitmap TripA:: read
                   sking pultaron Sking = tid.ger Petersking ():
                         pattersking = 15?? // as only subject exist in to
                                                                                  Tuple IO: ger Patter String
                   itaID = new Bitmapting & Seane (I I read of Phiples, tid)
                      iteID -> | triple = thiples
                                 pattern = tid
                                                                                       Bitmap TSear of I b
                                 adjy. elements = htriples -> anay y
litingp = hriple -> litingpy
                                                                                       : bilman Bear dist
                                 adjZ. | element = thiple - anay Z
                                       bitmap - Rhaples - Stillings Z
                      Arrap Component ander (& ipaken, SPD, itiples - order) // ipaktern ika ID. pattern
                      ita ID -> | patx = ipattern - get Subject() | puty = ipattern . get hedicale ()
                                                                          11 thiples = NOID triples
                                  Por Z = ipaltern. ger Object ()
                                  findRange ()
                                  90 To Stant ()
           it = new TIDSIt (Relictionmay, ite ID)
                    it -> dict = Rdictionnary
                                                                                 TIBIL: TIDITE
                      · literaln = iterID
```

string URI = "Pttp://dptedia.org/novance/Banach\_Ofarmer"

Nuhile ("it -> Ran Next ())

{ T5\* th = it -> next ();

cont << th . getSubject () << " " << th . get Productive () << " " << th . get object () << endl;
}



enum Dictionary Section - Die Sec SHAREO\_GUBJECT NOT\_SHARED\_SUBSECT SHARED\_OBJECT NOT SHARED OB SECT

enum Result Estimation Type: Restatype

VENDWIN MPPOLINATE UPTO EXACT

NOT\_SHAREO\_PREDICATE

ROFNotation enum JMX NTRIPLES TURTLES N3 NOUAD MEST

enum HOTCost CONSTANT LOG\_S LOG P 606-0 SEQUENTIAL S SEQUENTIAL P SEQUENTIAL D SEQUENTIAL ALL PSO

05P 005

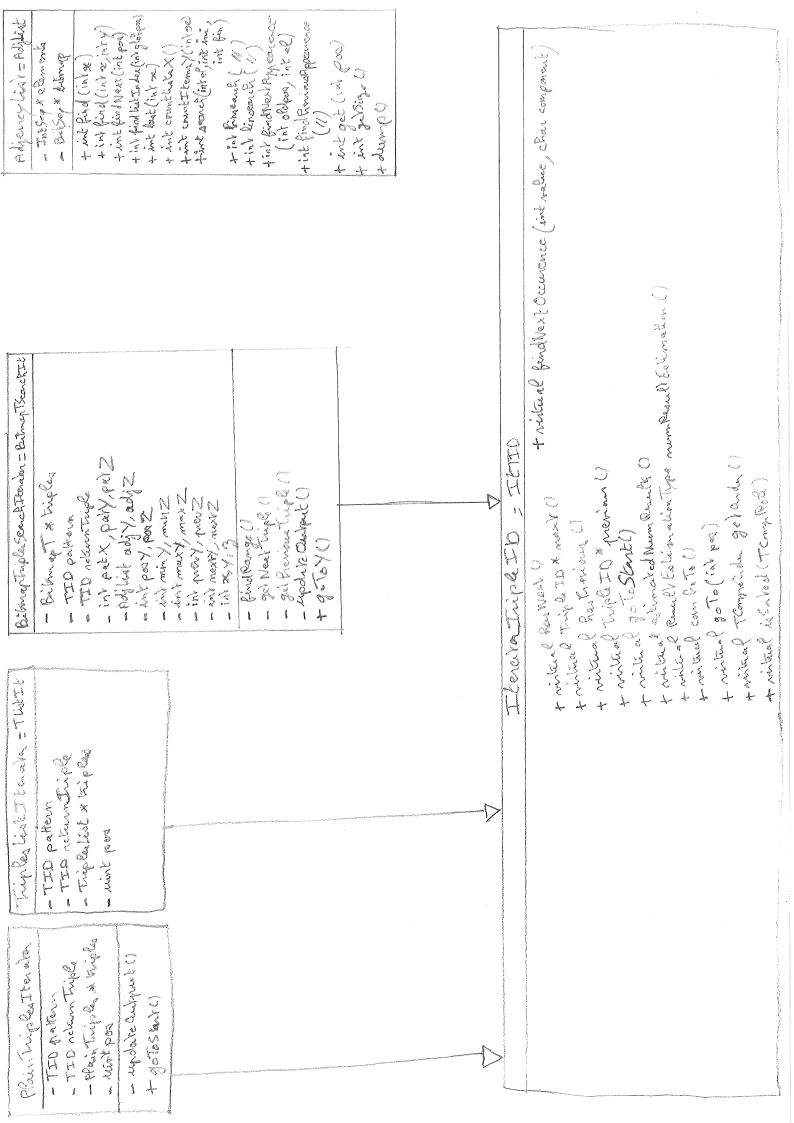
POS

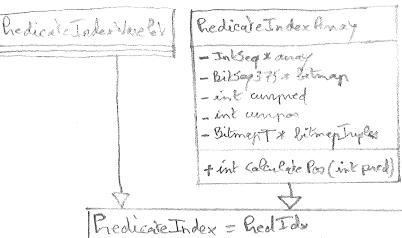
enun Mayping MAPPINGI MAPPINGE

> Triple I Osking I terala = TIDSIK - aistimary & dict - IETIO & iteration - TS result

Iteralahiplothing = IETS + virtual tool has went () + virtual TS & next() + virtual book Rasherious () + ristant TS \* previous () + virtual goToStant ()

Pain Dickson any For Section Dictions any - CSD & Medicale - neith < Dir Enty x> predicates - CSD\* ARMAd, - miles < Dictiony # > ofaced - Neiver & Dietorby & > Autoricks . eso \* Aulien - reda < Dictuling &> objects \_ ceo " object. gainperm duin - mapping - digestrings - sinjskidgs - Godfainge + get flotal ID (mayoring, id, Dicsec) + get flotal ID (id, Dicsec) ~ Ap2C - ingert (sting, Dieser) + gor Local ID (mapping, it ) + gor coal ID (id, Tomp see ) - CSD & get the lagmany Section - split () Riesay () (id, Team Pole) t convertenting (int)
tup date IO (int said, intervid, Disser) - idSedil \_ Updaleo TDn () - ger Poral ID (Mapping, id, Die See) - gellickionaytakyleire - gir (Rogal To (id, mosec) - get local to (mapping, id Trom Rol) Modelialle Dickonsony + violent impet ( string, T Comp Role) = 0 - garlical to Cit, Tom, Roll J + miliar starthoconing() = 0 Type de dictionnaire crée dans + rinteral NopProconing () = 0 Basic HOT : create components) estillate day from by comparityeen La Pargie HUT Dickemany + ristered id ToString (int, Tramp Role) = 0 4 milital string To IO (string, TrompRole) =0 type de CSD aréc dans le constructeur de + raid tarks hing to Triple IO (73, 720) CSD\_PFC + raid triple To Triple Shing (TID, TS) # mint lytes to int blocksing It chan x text = LogSeq2# blocks + vinterel get Manula Of Elemants () = 0 # fool intermed # in allocky + miles singe 1 = 0 + int decommon (chan \* \* dic) + mintered get Nouthers () = 0 to bed locate Black (chanto, int & Block) + unused priviledicated) = D # int locate In Block (in block, cha is, in lan) + wintered gerNobject () = 0 # Chan \* extract In Block (ist Proch, into) Henline longued-sommer-profix + nintral giNsPared () = 0 + riskal get Mar ID()=0 CSD [Compressed String Dictionary] + rinteral glotter SulpeVID () =0 to chan Expe + intral ger Max Redicide IV() = 0 u it blength + virtual get Mas Offict ID () = 0 # int numbrings of wintral locate (chart, Can) y virtual impact (pictionnary) = 0 fortuglexteel (intid)=0 + vintual get Subjects = 0 + vintual get Chick (1=0 + vintual get Object (1=0 + vintual get Object (1=0 + interal freeString(const chan\*)=0 + mikral galsige () =0 of renteral gers Rand (1=0 + virtual ItUCharSh & list All 1)=0 + vertical populate Header (header 1 =0 + garlength () + violetal fill Suggestions (-, -, -) =0 + virtualsave (orteam) =0 + virtual some (ostream) = 0 + minimal Road (chart) =0 + virtual load (cRa\*pk, cha, \*) =0 + nintral gall Typer ( =0 + Nake CSD \* load (wheam) + virtual je Hopping () =0 + minter of get Suggestions () = 0 + states cs o " health (chan type)





Fredicate Index = Red Ids

## Bilman T\* hiples

+ virtual int get Numbedicates ()=0;

+ virtual int get Numbeppenence (int pred)=0;

+ virtual save (oskcam, -) = 0;

+ virtual lead (interam, -) = 0;

+ virtual int load (char \* ptr, char \* ptr Mex, -)=0;

+ virtual generate (-) = 8

```
Triplatink
- ChlInfo
- Apre
- rectar TEDS amay of this pla
- TIO + OK
  order valed Triples
+ is Indexed ()
+ ILTIO * ARM of (TIO)
+ ILTIO year chian (TIO, TID, ...)
+ cost (TTO)
+ get Neuman of Elemants ()
t aige 17
+ ACLAR ()
a found ()
+ gorerate Index!
 + now Indek ()
 + load Index ()
 i populate Headen ()
 + AVant Proceedings
 + Arop Precently ()
  + goldeda 11
 + Invaly (TED)

+ nemone (TED)

+ partiple Tell
```

Modificatte trips

+ violation (TIO) = 0;

+ violat emand (TETID +) = 0;

+ violat remove (TETIO) = 0;

+ violat remove (Lupter = 50) = 0;

+ violat sevanda (Tempon) = 0;

type of triples created in bouchtof :: create-components (), which is used in all basic HOT constructors

Bitmap triples = Bitmap T

- ChilInfo

- Apec

- BitSeg375 \* Ritmap Y

- BitSeg375 \* Bitmap Index

- Thiseg \* anay Y

- Intseg \* anay Z

- Intseg

Triples

+ virtual ItTEO Acarch (TTO) = 0;

+ virtual Cost (TTO) = 0;

+ virtual gor Number of Element (1 = 0

+ virtual source (orcheam, ...) = 0;

+ virtual source (orcheam, ...) = 0;

+ virtual source (orcheam, ...) = 0;

+ virtual source Ender (1 = 0;

+ virtual source Ender (1 = 0;

+ virtual source Ender (1 = 0;

+ virtual in Index (1 = 0;

+ virtual ger Num Experimence ()

+ virtual ger Num Experimence ()

+ virtual ger Tuper) = 0;

+ virtual ger Tuper) = 0;

+ virtual Tempanden gertonder () = 0;

