Memory layout of polymorphic objects ABI (application binary interface) Struct Base & size of (Base) == 16 virtual vaid f() f3 void h() hg int x = 0;Base: (virtual table) itable xpammas 6 static namemn (data) , Ogha va mun & Base::fo ... b mpsgre sæskreund struct Derived: Base 5 void f() override ss vintual void go 93 int y; Desired utable & Derlued: for | & Derived:19() & Derived: type_info d.h() - call non Accentures ybecomo vecos, ege vaxogunco (murobra) 6. f() B Runtime kommunement no pto, c romoposo nasunaemas osoerem u compun uno mau Ilyano sono Base: kommunded demonson sober bfl 6 deliny agreco & Base : 7 u rpozuman som 8 Saum, kak ptr war coomb. op-your

Kommunisp punien sepen ptr
b sering agreco & Base: it is
repriment som & Saim, kar ptr
war coomb. op-yero

B untime: 2 paymenobomme yrogament sp-yun

Ryamo somo Derived:

tournusmop remuin sepen ptr Derived
b ero italele i mam bylu & Saim

rox yrayament ha & Derived: it

Ecum b. Base:: f(); - somo somo

yroyame ha call Base:: f.

Dynamic cast: juacon raron mun sem charana néem no ptr somo observa, naxopum viable - type_into a nonumaen, varioù peauche mun societas => cosmo periaem monono / neuros Granny void h(); int g; virtual void fu; 1,4 w! void f() override; int sy Ptr/ 19/ Im SI Son / Mom Granmy dynamie_cast Son > Granny (ospanno neurojo) static-cost Son -> Grancy (ospanno cuory) Multiple inheritance Granny (virtual pls) Granny vold pls) Dad (Int d) Now (m+m) void f() override 500 Son: PTT 3 M, PTT 2 B B ... I down (non-virtual thunk) dynamic_cast < Mom x> top_offset Ropore, eeur y Dad y Granny eemo f() vy cema reprongegeneur sma fcs mo reson mu Eygen jamereanno f an Dord-in-Son, mo Eygen top-offset n pointer Das glumenal non la beula luceuro sono a noyenterenna thunk Dad -in-Son vtable & thunk & Son: type-info offsert

* this - = 16

call Son : & ()

Virtual inheritance with multiple inheritance Granny int 9 Dad inta top-offset, vintual-offset, Son: [ptr m... ptr a s ptr g... Cleur/Mana Para Basquika & San & Son::f V. offset top offset Dad -in-Son: 16 Granny-in-Son: & Son:t_i & Humk -> * His -= 32 & Sen 11 &