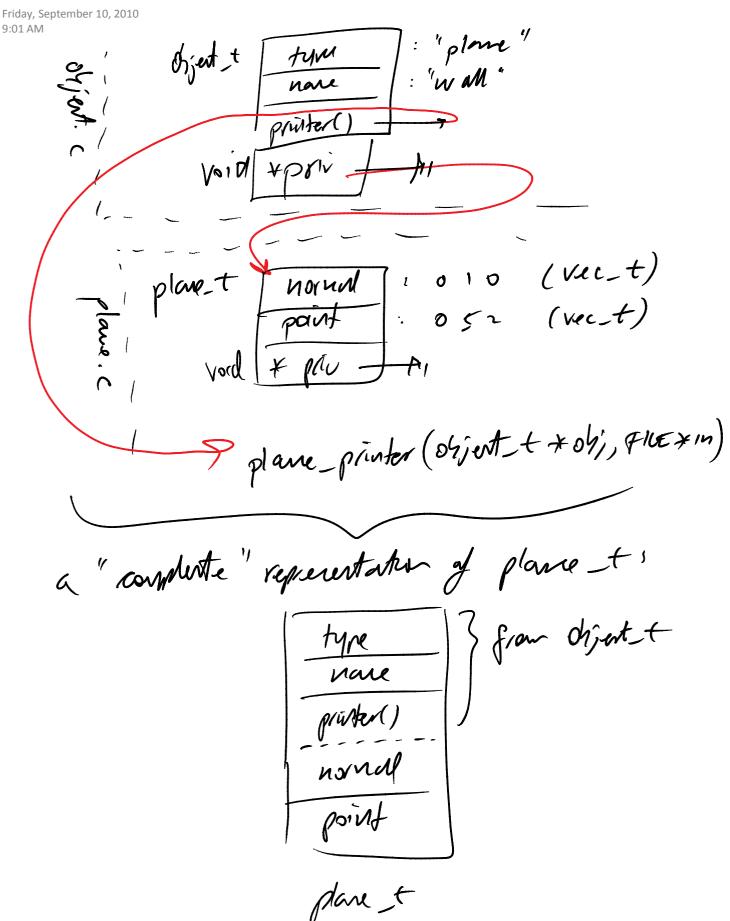
Initializing object and plane "objects"



object_init (PILE xin, list-t + dis, list-t+mats) input file list of objects list of (genoris) mostorials char mothane (NAME_LEN); 11 objects 1. mallor generi Object 2 zero it out 3. Head in just genera parts (metarent) 4 add new objer list asset ((of = (orject + x) mallor (sign of (object +))) != NULL) ; menset (di, D, size of (object t)); ofj-type = '0'; 04j -> neve = 1\0') dys -> priter = vui;

obj-par = mu;

plane wall Il now part file 11 acsume file ptr moteral ble notual 010 1/ is at object name J72 11 e.g., "www" assert ((count = from f (in, "85", oh; -> name))==1); Il consume all chars until me get to ? while ((c=fqetc(in))!= EOF && c!= 15"); 1 set cookin obj + cookie = OBT_cook/E/ Il real in motoral (first athate must be motoral) assert ((count = fscar (i=, "25", attrnam)) ==1), 11 rue materiel name (id) (1.9., "blue") if (! sticmp (attinane, "unaterial")) ascert ((count = fs.an/lie, "bs", methane))=1). material "Islue" must have Ufind material in beer red in from Pile abreals ? in mats list

will be in mats list assert ((oh; >) mat = mosterial-gethyrone (most, motorm) // comme whitespace und to dis list lit_add(ohjs, (void +)ohj);

plane_init (PILEXIN, list + +0),5, list+tmals) object-t +oh; place-t & play Object intt (in, ohjs, mats) On; = (6h) est + +) list_get_late(0h)s); 1/ Mocate plane dijert 11 Zero out plane object 1/8et objet; type to "plane" Stripy (di-type, "plane"); Il luik generii dij. strokure to plane 11 / set oh,'s ftem ptr

obj-priv = (void +) pln; oh; + printer = plane_print; function name found in plane.c Il continue paring file 11 sud in normal wer-t } sinikn 11 seul in print ver-t madevill // nornalize vertor Vec-unit (pln-snoral, obj-slast-hormal); Vec-unit (pln-shoral) pln-snormal)) plu-ndotg = vec_dot (phi-point, phi-usual).