```
entry:
                            %call.i = tail call i32 @rand() #7
                             %rem.i = srem i32 %call.i, 5
                             %call.i7 = tail call i32 @rand() #7
                             %rem.i8 = srem i32 %call.i7, 5
                             %new alloca 1 = alloca i32, align 4
                             %new_alloca_2 = alloca_i32, align 4
                             %new add = add i32 %rem.i8, 232
                             %new mul = mul i32 %rem.i8, 232
                             %equals compare = icmp eq i32 %new add, %new mul
                             %mul 1 = mul i32 456, 534
                             %new add use = add i32 %mul 1, 534
                             br il %equals_compare, label %0, label %1
    0:
                                                       1:
                                                       store i32 %new_mul, ptr %new_alloca_2, align 4
    store i32 %new add, ptr %new alloca 1, align 4
     br label %2
                                                        br label %2
             2:
              %call3 = tail call noundef nonnull align 8 dereferenceable(8) ptr
              ... @ ZNSolsEi(ptr noundef nonnull align 8 dereferenceable(8) @ ZSt4cout, i32
              ... noundef %mul 1)
              %vtable.i = load ptr, ptr %call3, align 8, !tbaa !5
              %vbase.offset.ptr.i = getelementptr i8, ptr %vtable.i, i64 -24
              %vbase.offset.i = load i64, ptr %vbase.offset.ptr.i, align 8
              %add.ptr.i = getelementptr inbounds i8, ptr %call3, i64 %vbase.offset.i
              % M ctype.i.i = getelementptr inbounds i8, ptr %add.ptr.i, i64 240
              %3 = load ptr, ptr %_M_ctype.i.i, align 8, !tbaa !8
              %tobool.not.i.i.i = icmp eq ptr %3, null
               br i1 %tobool.not.i.i.i, label %if.then.i.i.i, label
              ... % ZSt13 check facetISt5ctypeIcEERKT PS3 .exit.i.i
                                                 _ZSt13__check_facetISt5ctypeIcEERKT_PS3_.exit.i.i:
                                                 %_M_widen_ok.i.i.i = getelementptr inbounds i8, ptr %3, i64 56
if.then.i.i.i:
                                                 \sqrt[8]{4} = load i8, ptr % M widen ok.i.i.i, align 8, !tbaa !20
tail call void @ ZSt16 throw bad castv() #8
                                                  %tobool.not.i3.i.i = \overline{i}cmp e\overline{q} i8 %4, 0
unreachable
                                                  br i1 %tobool.not.i3.i.i, label %if.end.i.i.i, label %if.then.i4.i.i
       if.end.i.i.i:
       tail call void @ ZNKSt5ctypeIcE13 M widen initEv(ptr noundef nonnull align
                                                                                      if.then.i4.i.i:
       ... 8 dereferenceable(570) %3)
       %vtable.i.i.i = load ptr, ptr %3, align 8, !tbaa !5
                                                                                      %arrayidx.i.i.i = getelementptr inbounds i8, ptr %3, i64 67
       %vfn.i.i.i = getelementptr inbounds i8, ptr %vtable.i.i.i, i64 48
                                                                                       %5 = load i8, ptr %arrayidx.i.i.i, align 1, !tbaa !23
       %6 = load ptr, ptr %vfn.i.i.i, align 8
                                                                                       br label % ZSt4endlIcSt11char traitsIcEERSt13basic ostreamIT TO ES6 .exit
       %call.i.i.i = tail call noundef signext i8 %6(ptr noundef nonnull align 8
       ... dereferenceable(570) %3, i8 noundef signext 10)
       br label % ZSt4endlIcSt11char traitsIcEERSt13basic ostreamIT T0 ES6 .exit
                                              _ZSt4endlIcSt11char_traitsIcEERSt13basic_ostreamIT_T0_ES6_.exit:
                                             %retval.0.i.i.i = phi i8 [ %5, %if.then.i4.i.i ], [ %call.i.i.i,
                                              ... %if.end.i.i.i ]
                                              %call1.i = tail call noundef nonnull align 8 dereferenceable(8) ptr
                                              ... @ ZNSo3putEc(ptr noundef nonnull align 8 dereferenceable(8) %call3, i8
                                              ... noundef signext %retval.0.i.i.i)
                                              %call.i.i = tail call noundef nonnull align 8 dereferenceable(8) ptr
                                              ... @ ZNSo5flushEv(ptr noundef nonnull align 8 dereferenceable(8) %call1.i)
                                               ret i32 0
```