```
entry:
             %call.i = call i32 @rand() #7
             %rem.i = srem i32 %call.i, 5
             %call.i9 = call i32 @rand() #7
             %rem.i10 = srem i32 %call.i9, 5
             %add = add nsw i32 %rem.i10, %rem.i
             %call3 = call nonnull align 8 dereferenceable(8)
             ... %"class.std::basic_ostream"* @_ZNSolsEi(%"class.std::basic_ostream"* nonnull
             ... align 8 dereferenceable(8) @_ZSt4cout, i32 %add)
%i = bitcast %"class.std::basic_ostream"* %call3 to i8**
             %vtable.i = load i8*, i8** %i, alīgn 8, !tbaa !3
             %vbase.offset.ptr.i = getelementptr i8, i8* %vtable.i, i64 -24
             %i1 = bitcast i8* %vbase.offset.ptr.i to i64*
             %vbase.offset.i = load i64, i64* %i1, align 8
             %i2 = bitcast %"class.std::basic_ostream"* %call3 to i8*
             %_M_ctype.i.idx.i = add nsw i64¯%vbase.offset.i, 240
             % M ctype.i.i = getelementptr inbounds i8, i8* %i2, i64 % M ctype.i.idx.i
             %i3 = bitcast i8* %_M_ctype.i.i to %"class.std::ctype"**
%i4 = load %"class.std::ctype"*, %"class.std::ctype"** %i3, align 8, !tbaa !6
%tobool.not.i.i.i = icmp eq %"class.std::ctype"* %i4, null
             br i1 %tobool.not.i.i.i, label %if.then.i.i.i, label
             ... % ZSt13 check facetISt5ctypeIcEERKT PS3 .exit.i.i
                                                                                       F
                                                           ZSt13 check facetISt5ctypeIcEERKT PS3 .exit.i.i:
                                                          %_M_widen_ok.i.i.i = getelementptr inbounds %"class.std::ctype", ... %"class.std::ctype"* %i4, i64 0, i32 8
%i5 = load i8, i8* %_M_widen_ok.i.i.i, align 8, !tbaa !11
 if.then.i.i.i:
 call void @ ZSt16 throw bad castv() #8
                                                           %tobool.not.i3.i.i = icmp eq i8 %i5, 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:
call void @ ZNKSt5ctypeIcE13 M widen initEv(%"class.std::ctype"* nonnull
... align 8 dereferenceable (570) %\overline{i4})
%i7 = bitcast %"class.std::ctype"* %i4 to i8 (%"class.std::ctype"*, i8)***
%vtable.i.i.i = load i8 (%"class.std::ctype"*, i8)**, i8
                                                                                                      if.then.i4.i.i:
... (%"class.std::ctype"*, i8)*** %i7, align 8, !tbaa !3
                                                                                                      %arrayidx.i.i.i = getelementptr inbounds %"class.std::ctype",
                                                                                                      ... %"class.std::ctype"* %i4, i64 0, i32 9, i64 10
%vfn.i.i.i = getelementptr inbounds i8 (%"class.std::ctype"*, i8)*, i8
... (%"class.std::ctype"*, i8)** %vtable.i.i.i, i64 6
                                                                                                      %i6 = load i8, i8* %arrayidx.i.i.i, align 1, !tbaa !13
%i8 = load i8 (%"class.std::ctype"*, i8)*, i8 (%"class.std::ctype"*, i8)**
                                                                                                      br label % ZSt4endlIcSt11char traitsIcEERSt13basic ostreamIT T0 ES6 .exit
... %vfn.i.i.i, align 8
%call.i.i.i = call signext i8 %i8(%"class.std::ctype"* nonnull align 8
... dereferenceable(570) %i4, i8 signext 10)
br label % ZSt4endlIcSt11char traitsIcEERSt13basic ostreamIT T0 ES6 .exit
                                                    ZSt4endlIcSt11char traitsIcEERSt13basic ostreamIT T0 ES6 .exit:
                                                   %retval.0.i.i.i = phi \overline{i8} [ %i6, %if.then.i4.i.i \overline{j}, [ %call.i.\overline{i},
                                                   ... %if.end.i.i.i ]
                                                   %call1.i = call nonnull align 8 dereferenceable(8)
                                                   ... %"class.std::basic_ostream"* @_ZNSo3putEc(%"class.std::basic_ostream"* ... nonnull align 8 dereferenceable(8) %call3, i8 signext %retval.0.i.i.i)
                                                   %call.i.i = call nonnull align 8 dereferenceable(8)
                                                   ... %"class.std::basic_ostream"* @_ZNSo5flushEv(%"class.std::basic_ostream"* ... nonnull align 8 dereferenceable(8) %call1.i)
                                                   ret i32 0
```