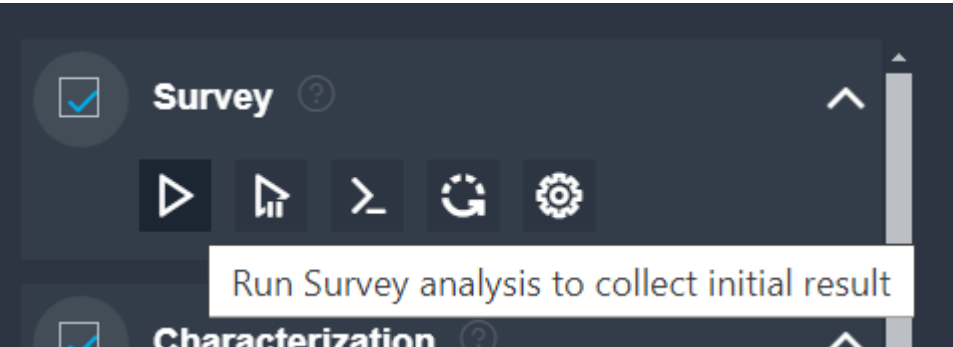


# Этапы анализа

Для анализа зависимостей можно воспользоваться Threading анализом в Intel Advisor

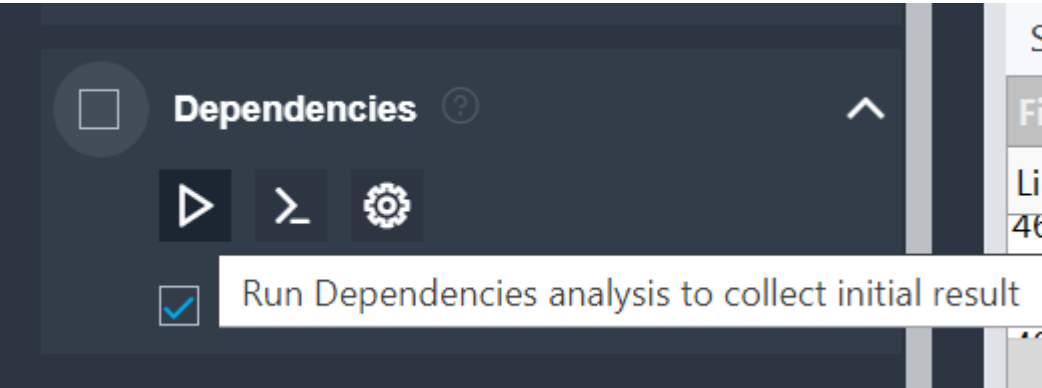
- 1. Запуск Surey анализа для определения списка хотспотов



- 2. Выбор самых горячих, больших хотспотов

ROOFLINE	Function Call Sites and Loops	Performance Issues	CPU Time		T:
			Total Time	Self Time	
	[loop in multiply_simple<float> at mmult.cpp:47]	1 Potential und...	1,414s	1,414s	S
	mainCRTStartup		1.414s	0.000s	F

- 3. Запуск анализа зависимостей в выбранном хотспоте



- 4. Проверка результатов

Summary

Survey & Roofline

Refinement Reports

Dependencies Source: mmult.cpp

Site Location	Loop-Carried Dependencies	Strides Distribution	Access Pattern	Footprint Estimate
				Max. Per-Instruction Add
[loop in multiply_simple<float> at mmult.cpp:...	WAW:1	No Information Available	No Information Available	No Information Available

```
45         for (int j = 0; j < arrSize; j++)
46         {
47             for (int k = 0; k < arrSize; k++)
48             {
49                 // ANNOTATE ITERATION TASK BEGIN(task111);
```

Memory Access Patterns Report

Dependencies Report

Recommendations

Problems and Messages

ID	Type	Site Name	Sources	Modules	State
P1	Parallel site information	loop_site_3	mmult.cpp	mmult.exe	Not a problem
P3	Write after write dependency	loop_site_3	mmult.cpp; new_scalar.cpp	mmult.exe	New

Filter

Information1 item

Type

Parallel site information1 item

Write after write depe...1 item