Summary

Total Test Objects:	2
Successful:	2
Failed:	0
Not Executed:	0
Date:	2015-12-21
Time:	17:46:11+0530

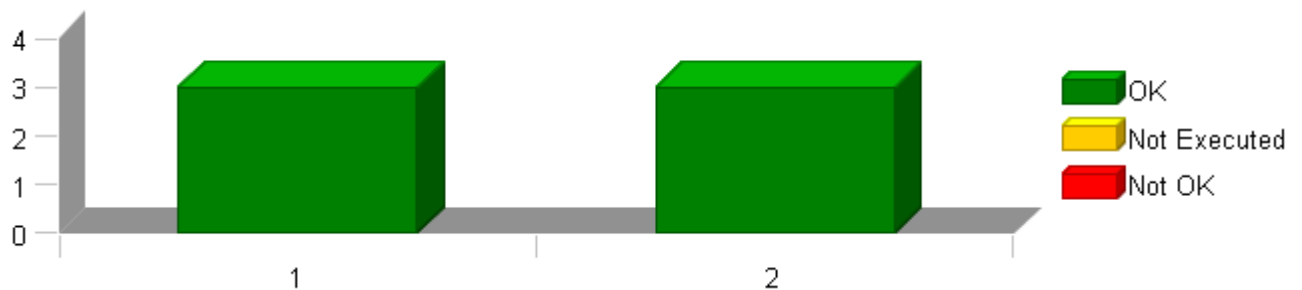## Overall Test Object Results (including Coverage)
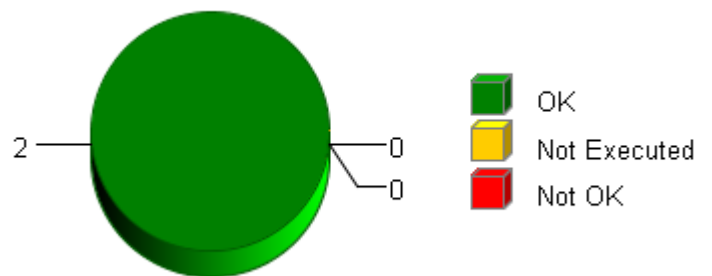
Selected Project Items

Test Object "CBD_UnitTest/DiagMgr_FailAction/DiagMgr_Per1"
Test Object "CBD_UnitTest/DiagMgr_FailAction/ReadBit_u16"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)

The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

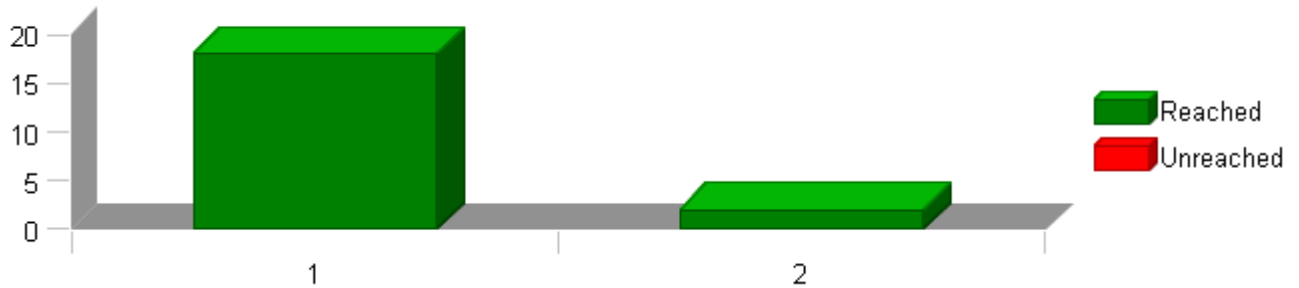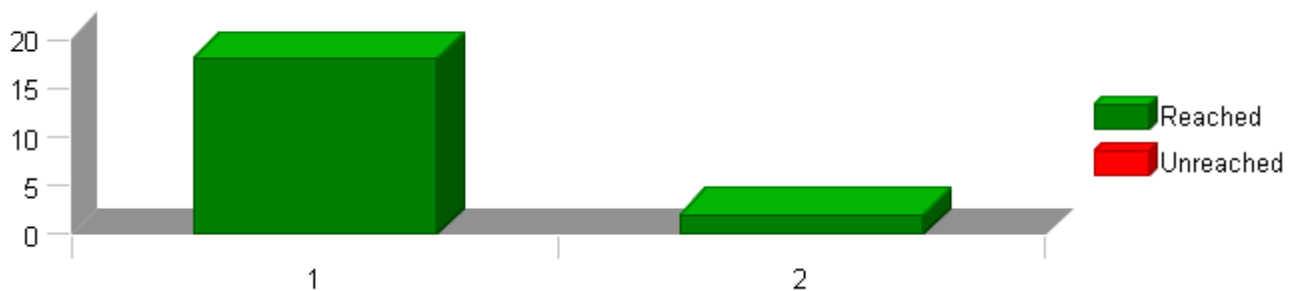## Statement (C0) Coverage: Total Statements for Each Test Object
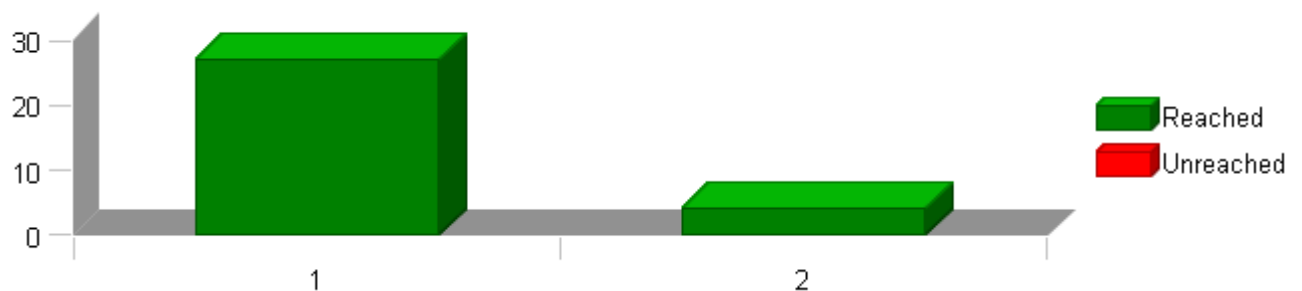
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

Branch (C1) Coverage: Total Branches for Each Test Object

The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.
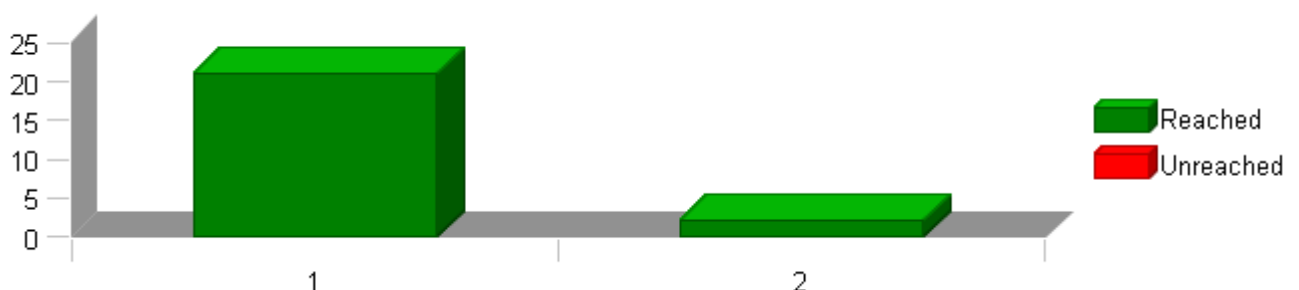
Decision Coverage: Total Decision Outcomes for Each Test Object

The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

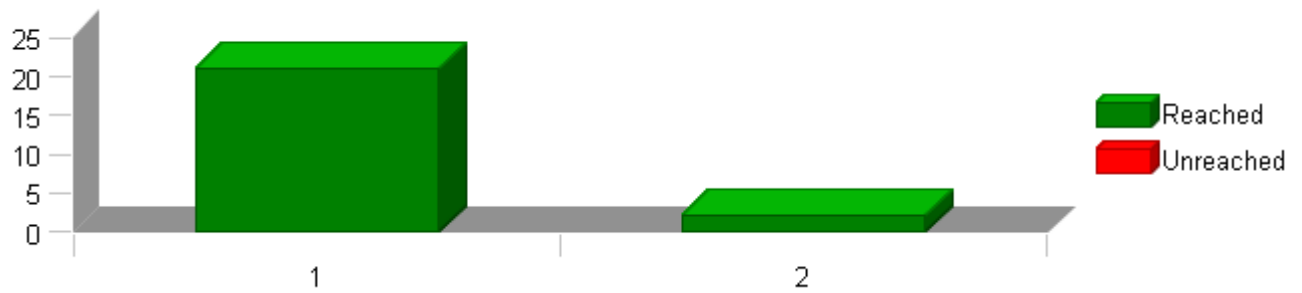Each bar is divided into reached and unreached decision outcomes.

MC/DC Coverage: Total Condition Combinations for Each Test Object

The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

MCC Coverage: Total Condition Combinations for Each Test Object

The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

Test Object List

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	DiagMgr_failaction	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✔
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✔
	DiagMgr_FailAction	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✔
1	DiagMgr_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
2	ReadBit_u16	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔

Project	DiagMgr_FailAction
Module	DiagMgr_FailAction
Test Object	DiagMgr_Per

Instrumentation Test Object Only

Statement C Cov...	
Decision Coverage	
Branch C Coverag...	
MCC Coverage	
MC DC Coverage	

Statistics

Total Testcases	
Successful	✔
Failed	
Not Executed	

Module Properties

Project Root Dir	D:\Synergy_Work_Area\DiagMgr_FailAction
Configuration File	D:\Synergy_Work_Area\DiagMgr_FailAction\UnitTestEnv...
Target Environment	TI TMS PLS UDE Default
Kind of Test	Unit Test
Linker Options	
Source Files	
File	PROJECTROOT \DiagMgr\src\A_DiagMgr_FailAction.c
Compiler Options	D_DATA_ACCESS Dconst Dstatic DSKIP_MAIN_NUMBER -I PROJECTROOT \NxtrLib\ \include PROJECTROOT \DiagMgr\upt\contract -I PROJECTROOT \DiagMgr\upt\cont... \include rogramFiles \Texas Instruments\ccsv \tools\compiler\tms _

Comments Description Specification

Name	Text
Module DiagMgr_FailAction	Unit Test Description
Name of Test	
Code File(s)	A_DiagMgr_FailAction.c
Code Files Version	
Module Design Document	icsManager_FailAction_MDD.docx
Module Design Document Version	
Data Dictionary Version	
Unit Test Plan Version	
Optimization level	
Compiler Code Gen Version	
Model Type Macro	
Model Version for EPS Unit Test Tool	d EPS Library
Total FLASH Used Bytes	
Total RAM Used Bytes	
Total CALS Used Bytes	
Special Test Requirements	
Test Date	
Comment	Note: Inline Function defined in GlobalMacro.h is not unit teste...
	NOTE: CBD_Sandbox_dbg.map map file is embedded for reference
	NOTE: Constant D_NOOAATIVEINVERTER_INT_U is configurable variable and wh... declaring variable as constant it is declared as variable for testing s...

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false

Attributes

Name	Value
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\DiagMgr_Failaction\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

7HVW &DVH   0HWULFV 7HVW   ✔

6SHFLILFDWLRQ: Performance Metrics (With "None" Instrumentation
and WithPS Environment)
CPU Cycles:

TS1.1 7533.00 Cycles
TS1.2 7675.00 Cycles

'HVFULSWLRQ: 'QFWRU 'HVFULSWLRQ

```
76  6KRUWHVW ([HFXWLRQ 3DWK  L X  758( )$/6(    7B'LDJ0JU5PS5DWHB3WUBI >L@ :
'LDJ0JU5PS5DWHB8OVP6B7BI ! $SS5PS5DWHB8OVP6B7BI  )$/6(
'LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB7BOLJ6W)LDJ6W)$56(5PS7R=HUR)OW3UHVB&QWB7BOLJ
'B122)$&7,9(,19(57(5B17B88  758(   'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF )$/6(
'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF )$/6(  758(
76  /RQJHV ([HFXWLRQ 3DWK 'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF )$/6( )$/6(
'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJFV,QYHUWHU ,QDFWLYHB&QWB7BOJF 758( )$
'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF )$/6( 758(
```

7HVW 6WHS   5HSHDW &RXQW   ✔

1DPH	,QSXW 9DOXH		
'B122)$&7,9(,19(57(5B&17B8			
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
WJWB > @			
WJWB > @			
WJWB > @			
WJWB > @			
WJWBUPS > @			
WJWBUPS > @			
WJWBUPS > @			
WJWBUPS > @			

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV...
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;PS6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DO			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBC			✔

Razorcat

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV\
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFK	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&C	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RV	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWL	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV\
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWC			✔

Razorcat

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFK H	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SP7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SP7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG,V5SP3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG,V5SP3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SP7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SP7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RV	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QW	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5SV7R=HURB$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5SV7R=HURB$FWLYH	✔
5WHB:ULWHB'LDJ1RRIB$FWLYH ,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRIB$FWLYH ,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW &DVH %RXQGDU\ 7HVW ✔

6SHFLILFDWLRQ: Performance Metrics (With "None" Instrumentation
and WithPS Environment)
CPU Cycles:

TS2.1 7675.00 Cycles
TS2.2 7612.00 Cycles
TS2.3 7582.00 Cycles
TS2.4 7601.00 Cycles
TS2.5 7567.00 Cycles
TS2.6 7550.00 Cycles
TS2.7 7578.00 Cycles
TS2.8 7556.00 Cycles
TS2.9 7617.00 Cycles
TS2.10 7578.00 Cycles
TS2.11 7578.00 Cycles
TS2.12 7625.00 Cycles
TS2.13 7647.00 Cycles
TS2.14 7556.00 Cycles

'HVFULSWLRQ)DFWRU 'HVFULSWLRQ

```
76   'LDJ6WV  B&QWB0BE    PLQ
76   'LDJ6WV  B&QWB0BE    PD[
76   'LDJ6WV  B&QWB0BE    SRV
76   'LDJ6WV  B&QWB0BE    PLQ
76   'LDJ6WV  B&QWB0BE    PD[
76   'LDJ6WV  B&QWB0BE    SRV
76   $FWLYH5SV5DWH  B8OVP6B0BL    PLQ
76   $FWLYH5SV5DWH  B8OVP6B0BL    PD[
76   $FWLYH5SV5DWH  B8OVP6B0BL    SRV
76   $FWLYH5SV5DWH  B8OVP6B0BL    PLQ
76   $FWLYH5SV5DWH  B8OVP6B0BL    PD[
76   $FWLYH5SV5DWH  B8OVP6B0BL    SRV
76   $OO  0LQ
76   $OO  0D[
```

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5SV5DWHB3WUBI > @	WJWBUSV
7B'LDJ0JU5SV5DWHB3WUBI > @	WJWBUSV
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUSV > @	
WJWBUSV > @	
WJWBUSV > @	

Razorcat

1 D P H	, Q S X W 9 D O X H		
W J W B U P S > @			

1 D P H	$ F W X D O 9 D O X H	([S H F W H G 9 D O X H	5 H V ...
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 5 D W H B ; P 6 B I	G D W D		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 9 D O X H B 8 O V B I			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 P S 7 R = H U R $ F W L Y H B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V & W U O G ' L V 5 P S 3 U			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 7 H P S B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 9 H K 6 S G B & Q W E			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V + : $ 6 E 6 \ V W P) O W 3 U H V B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 1 R Q 5 H F 5 P S 7 R = H			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 5 H F 5 P S 7 R = H U R) O W 3 U H V B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 6 F R P + : $ 1 R W 9 D O			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V : , 5 ' L V D E O H B & Q W B O J F G D W D			✔
5 W H B : U L W H B ' L D J 1 R R I $ F W L Y H , Q Y H U W H U B & Q W B X			✔
5 W H B : U L W H B ' L D J 6 W V , Q Y H U W H U , Q D F W L Y H B & Q W B O J F G D W D			✔
5 W H B : U L W H B ' L D J 6 W V , Q Y H U W H U , Q D F W L Y H B & Q W B O			✔

7 H V W 6 W H S & D O O 7 U D F H				✔
$ F W X D O) X Q F W L R Q	& R X (	([S H F W H G) X Q F W L R Q	& R X (	5 H V ...
5 W H B & D O O B ' L D J 0 J U B 3 H U B 3 B & K H F N S R L Q W 5 H D F K H G	5 W H B & D O O B ' L D J 0 J U B 3 H U B 3 B & K H F N S R L Q W 5 H D F K H G			✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 1 R Q 5 H F 5 P S 7 R = H U R : U L W H B B $ B $ B O D J 0 J U B ' L D J 6 W V 1 R Q 5 H F 5 P S 7 R = H U R) O W 3 U				✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V & W U O G ' L V 5 P S 3 U	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V & W U O G ' L V 5 P S 3 U H V B & Q W B			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 5 H F 5 P S 7 R =	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 5 H F 5 P S 7 R = H U R			✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V + : $ 6 E 6 \ V W P	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V + : $ 6 E 6 \ V W P) O W			✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 9 H K 6 S G E	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 9 H K 6 S G B & Q \			✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 7 H P S B & (	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 7 H P S B & Q W B			✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 6 F R P + : $ 1 R \	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 6 F R P + : $ 1 R W 9 D			✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V : , 5 ' L V D E O H	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V : , 5 ' L V D E O H B & Q			✔
5 H D G % L W B X		5 H D G % L W B X		✔
5 W H B : U L W H B ' L D J 6 W V , Q Y H U W H U , Q D F W L Y H B &	5 W H B : U L W H B ' L D J 6 W V , Q Y H U W H U , Q D F W L Y H B & Q W			✔
5 W H B : U L W H B ' L D J 6 W V , Q Y H U W H U , Q D F W L Y H B & Q W B O J F	5 W H B : U L W H B ' L D J 6 W V , Q Y H U W H U , Q D F W L Y H B & Q W B O J F			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 5 D W H B ; S	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 5 D W H B ; S 6 B I			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 9 D O X H B 8 O V B I	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 9 D O X H B 8 O V B I			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 P S 7 R = H U R $ F W	5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 P S 7 R = H U R $ F W L Y H			✔
5 W H B : U L W H B ' L D J 1 R R I $ F W L Y H , Q Y H U W H U B & Q W B X	5 W H B : U L W H B ' L D J 1 R R I $ F W L Y H , Q Y H U W H U B & Q W B X			✔
5 W H B & D O O B ' L D J 0 J U B 3 H U B 3 B & K H F N S R L Q W	5 W H B & D O O B ' L D J 0 J U B 3 H U B 3 B & K H F N S R L Q W 5 H D			✔

7 H V W 6 W H S 5 H S H D W & R X Q W				✔
1 D P H	, Q S X W 9 D O X H			
' B 1 2 2) $ & 7 , 9 (, 1 9 (5 7 (5 B & 1 7 B 8				
7 B ' L D J 0 J U ' L D J 6 W V B 3 W U B E > @	W J W B			
7 B ' L D J 0 J U ' L D J 6 W V B 3 W U B E > @	W J W B			
7 B ' L D J 0 J U 5 P S 5 D W H B 3 W U B I > @	W J W B U P S			
7 B ' L D J 0 J U 5 P S 5 D W H B 3 W U B I > @	W J W B U P S			
W J W B > @				
W J W B > @				
W J W B > @				
W J W B > @				
W J W B U P S > @				
W J W B U P S > @				
W J W B U P S > @				
W J W B U P S > @				

1 D P H	$ F W X D O 9 D O X H	([S H F W H G 9 D O X H	5 H V ...
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 5 D W H B ; S 6 B I	G D W D		✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 D P S 9 D O X H B 8 O V B I			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 5 P S 7 R = H U R $ F W L Y H B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V & W U O G ' L V 5 P S 3 U			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 7 H P S B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V ' H I 9 H K 6 S G B & Q W E			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V + : $ 6 E 6 \ V W P) O W 3 U H V B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 1 R Q 5 H F 5 P S 7 R = H			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 5 H F 5 P S 7 R = H U R) O W 3 U H V B & Q W B O J F G D W D			✔
5 W H B : U L W H B $ B ' L D J 0 J U B ' L D J 6 W V 6 F R P + : $ 1 R W 9 D O			✔

< 5 H S R U W   F U H D W H G   E \   7 (6 6 < 9   U H S R U W   W H P S O D W H   9

Razorcat

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV\
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBO			✔

7HVW 6WHS &DOO 7UDFH			✔
$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV\

$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV\
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKH	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKH		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SP7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SP7R=HUR)OW3U+		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5SS3UHYB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5SS3UHYB&QW		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SP7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SP7R=HUR		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1R\	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q		✔
5HDG%LWBX	5HDG%LWBX		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWI		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;P6BL	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;P6BL		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5SP7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5SP7R=HUR$FWLYH		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX		✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD		✔

7HVW 6WHS 5HSHDW &RXQW		✔
1DPH	,QSXW 9DOXH	

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV\
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;P6BL	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5SP7R=HUR$FWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5SS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHYB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SP7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SP7R=HUR)OW3UHYB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBO			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV
5WHH&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFK6G	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR 3ULHWBB4RQBBLDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U 5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW3	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QV	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RV	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWL	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJ	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWC			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV)
5WHQ&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	5WHQ&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U|	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW|	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW|	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW|	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&C	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1R\	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QW|	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV)
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBC			✔

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7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV\
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFK	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QW	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV\
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV)
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFK5G	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&Q	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWI	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	H
WJWBUPS > @	H
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV)
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBC			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV\
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFK	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW3	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW3	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWL	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJ	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JUB'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JUB'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV\
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBO			✔

Razorcat

7HVW 6WHS &DOO 7UDFH ✓

$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG		5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHBSB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U		5WHB:ULWHBSB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QW		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QW	✓
5HDG%LWBX		5HDG%LWBX	✓
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&		5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QW	✓
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWBODJ		5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWBODJ	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL		5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL		5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL	✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW		5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✓
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX		5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✓
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW		5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✓

7HVW 6WHS 5HSHDW &RXQW ✓

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3UWBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3UWBE > @	WJWB
7B'LDJ0JU5PS5DWHB3UWBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3UWBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL	GDWD		✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL			✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBODJ	GDWD		✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBODJ	GDWD		✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW			✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBODJ	GDWD		✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBODJ	GDWD		✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✓
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBODJ	GDWD		✓
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✓
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWBODJ	GDWD		✓
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWB			✓

Razorcat

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HY
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFK	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW3	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW3	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&C	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWI	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH		
'B122)$&7,9(,19(57(5B&17B8			
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
WJWB > @			
WJWB > @			
WJWB > @			
WJWB > @			
WJWBUPS > @			
WJWBUPS > @			
WJWBUPS > @	H		
WJWBUPS > @	H		

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HY
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWC			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV\
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFK5G	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB\SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB\SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QW	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&Q	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RY	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QW	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV\
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DO			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV)
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFK	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWI	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJ	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV)
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWC			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV(
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFK6W	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RY	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWL	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB0JF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB0JF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH		
'B122)$&7,9(,19(57(5B&17B8			
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
WJWB > @			
WJWB > @			
WJWB > @			
WJWB > @			
WJWBUPS > @	H		
WJWBUPS > @	H		
WJWBUPS > @	H		
WJWBUPS > @	H		

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV(
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL	GDWD H	H	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB(			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV)
5WHH&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKH	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SV7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SV7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5SV3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5SV3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SV7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SV7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5SV7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5SV7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV)
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5SV7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5SV3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5SV7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5SV7R=HUR)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB			✔

'LDJ0JUB3HU

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HVX
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFK5G	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB&QWBBLDJ	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWBBLDJ	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QV	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1R\	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWI	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJ	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJ	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH ,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH ,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW &DVH 3DWK 7HVW ✔

6SHFLILFDWLRQ Performance Metrics (With "None" Instrumentation
and WithPS Environment)
CPU Cycles:

TS3.1 7675.00 Cycles
TS3.2 7649.00 Cycles
TS3.3 7611.00 Cycles
TS3.4 7651.00 Cycles
TS3.5 7549.00 Cycles
TS3.6 7533.00 Cycles

'HVFULSWLRQ0FWRU 'HVFULSWLRQ

76 LI 758('LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB&QWB7BOJF __ 758('LDJ6WV5
758(
76 LI 758('LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB&QWB7BOJF __ 758('LDJ6WV5
)$/6(
76 758('LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB&QWB7BOJF)$/6(
DQG 758('LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWB7BOJF !758(
76 'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF)$/6(758('LDJ6WV,QYHUWHU ,QDF
'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF 758( )$/6(
'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF)$/6(758(
76 758('LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB&QWB7BOJF __ 758('LDJ6WV5HF
'B122)$&7,9(,19(57(5B&17B8 8)DOVH
'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF 758( )DOVH
76 758('LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB&QWB7BOJF __ 758('LDJ6WV5HF
'B122)$&7,9(,19(57(5B&17B8 8)DOVH
'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB7BOJF 758(7UXH

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HVX
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BL	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF GDWD			✔

‹ 5HSRUW FUHDWHG E\ 7(66< 9 UHSRUW WHPSODWH 9

![Razorcat]

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HVX
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBC			✔

7HVW 6WHS &DOO 7UDFH			✔
$FWXDO)XQFWLRQ	**&RX**	**([SHFWHG)XQFWLRQ**	**&RX 5HVX**
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKH	5HDFKH	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKH		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UHVB&QWBOJF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWBO	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWBO		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)|	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&Q\		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1R\		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH		5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q		✔
5HDG%LWBX		5HDG%LWBX		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&		5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWE		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI		5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI		5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW		5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX		5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX		✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW		5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD		✔

7HVW 6WHS 5HSHDW &RXQW			✔
1DPH	**,QSXW 9DOXH**		
'B122)$&7,9(,19(57(5B&17B8			
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS		
WJWB > @			
WJWB > @			
WJWB > @			
WJWB > @			
WJWBUPS > @	H		
WJWBUPS > @	H		
WJWBUPS > @	H		
WJWBUPS > @	H		

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HVX
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD H	H	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF GDWD			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF GDWD			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBC			✔

Razorcat

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV
5WHD&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RV	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWI	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE >@	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE >@	WJWB
7B'LDJ0JU5PS5DWHB3WUBI >@	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI >@	WJWBUPS
WJWB >@	
WJWB >@	
WJWB >@	
WJWB >@	
WJWBUPS >@	
WJWBUPS >@	
WJWBUPS >@	
WJWBUPS >@	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB			✔

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7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV)
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RV	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWL	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV)
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB			✔

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7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3UH	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&Q\	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1R9	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWL	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7HVW 6WHS 5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DO			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU,QDFWLYHB&QWBO			✔

Razorcat

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFK6W	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RV	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&Q	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B3 B&KHFNSRLQW5HD	✔

7HVW 6WHS   5HSHDW &RXQW ✔

1DPH	,QSXW 9DOXH
'B122)$&7,9(,19(57(5B&17B8	
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU'LDJ6WVB3WUBE > @	WJWB
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
7B'LDJ0JU5PS5DWHB3WUBI > @	WJWBUPS
WJWB > @	
WJWB > @	
WJWB > @	
WJWB > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	
WJWBUPS > @	

1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;SP6BI	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8OVBI			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3U			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QWE			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=H			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR)OW3UHVB&QWBOJF	GDWD		✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9DOL			✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ1RRI$FWLYH,QYHUWHUB&QWBX			✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	GDWD		✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWB(			✔

7HVW 6WHS &DOO 7UDFH ✔

$FWXDO)XQFWLRQ	&RX(([SHFWHG)XQFWLRQ	&RX(5HV)
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFK	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HDFKHG	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV1RQ5HF5PS7R=HUR)OW3U	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV&WUOG'LV5PS3UHVB&QWB	
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV5HF5PS7R=HUR	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWF	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV+:$6E6\VWP)OW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGE	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI9HK6SGB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&(	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV'HI7HPSB&QWB	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RV	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV6FRP+:$1RW9D	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOH	5WHB:ULWHB$SB'LDJ0JUB'LDJ6WV:,5'LVDEOHB&QW	✔
5HDG%LWBX	5HDG%LWBX	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWL	✔
5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJ	5WHB:ULWHB'LDJ6WV,QYHUWHU ,QDFWLYHB&QWBOJF	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;S	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS5DWHB;S6BL	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8VBI	5WHB:ULWHB$SB'LDJ0JUB'LDJ5DPS9DOXHB8VBI	✔
5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FW	5WHB:ULWHB$SB'LDJ0JUB'LDJ5PS7R=HUR$FWLYH	✔
5WHB:ULWHB'LDJ1RRI$FWLYH ,QYHUWHUB&QWBX	5WHB:ULWHB'LDJ1RRI$FWLYH ,QYHUWHUB&QWBX	✔
5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW	5WHB&DOOB'LDJ0JUB3HU B&3 B&KHFNSRLQW5HD	✔

7(67 '(7$,/6 5(3257

5HDG%LWBX

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3URMHFW	'LDJ0JUBIDLODFWLRQ
0RGXOH	'LDJ0JUB)DLO$FWLRQ
7HVW 2EMHFW	5HDG%LWBX

,QVWUXPHQWDWLRQ 7HVW 2EMHFW 2QO\

6WDWHPHQW & &RY…	
'HFLVLRQ &RYHUDJH	
%UDQFK & &RYHUD…	
0&& &RYHUDJH	
0& '& &RYHUDJH	
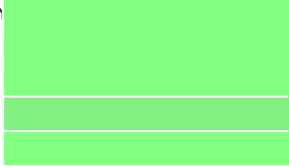
6WDWLVWLFV

7RWDO 7HVWFDVHV	
6XFFHVVIXO	✔
)DLOHG	
1RW ([HFXWHG	

0RGXOH 3URSHUWLHV

3URMHFW 5RRW 'LUH…	' ?6\QHUJ\B:RUNB$UHD?'LDJ0JUB)DLODFWLRQ
&RQILJXUDWLRQ)LOH	' ?6\QHUJ\B:RUNB$UHD?'LDJ0JUB)DLODFWLRQ?8QLW7HVW(QY?I…
7DUJHW (QYLURQPHQW	7, 706 3/6 8'('HIDXOW
.LQG RI 7HVW	8QLW 7HVW
/LQNHU 2SWLRQV	
6RXUFH)LOH V	
)LOH	352-(&75227 ?'LDJ0JU?VUF?$SB'LDJ0JUB)DLO$FWLRQ F
&RPSLOHU 2SWLR…	'B'7B$&&(66 'FRQVW 'VWDWLF '6.,3B0$,B180%(5 , 352-(&75227 ?1[WU/LE? ?LQFOXGH?352-(&75227 ?'LDJ0JU?XSW?FRQWUDW , 352-(&75227 ?'LDJ0JU?XSW?FRQW… ?LQFOXGH?URJUDP)LOHV ?7H[DV ,QVWUXPHQWV?FFV\ ?WRROV?FRPSLOHU?WPV …

&RPPHQWV 'HVFULSWLRQ 6SHFLILFDWLRQ

1DPH	7H[W
0RGXOH 'LDJ0JUB)DLO$FWLRQ	8QLW 7HVW 'HVFULSWLRQ
	1DPH RI 7HVWFDVHV 0RUEDOH &RGH)LOH V $SB'LDJ0JUB)DLO$FWLRQ F &RGH)LOH V 9HUVLRQ 0RGXOH 'HVLJQ 'RFXPHQWLFV0DQDJHU)DLO$FWLRQB0'' GRF[0RGXOH 'HVLJQ 'RFXPHQW 9HUVLRQ 'DWD 'LFWLRQDU\ 9HUVLRQ 8QLW 7HVW 3ODQ 9HUVLRQ 2SWLPL]DWLRQ /HYHO &RPSLOHU &RGH*HQ 9HUVLRQ 0RGHO 7\SH 0DFUR 0RGHO 9HUVLRQ (36 8QLW 7HVW 7RRO G (36 /LEUDU\ 7RWDO)/$6+ 8VHG %\WHV 7RWDO 5$0 8VHG %\WHV 7RWDO &$/ 8VHG %\WHV 6SHFLDO 7HVW 5HTXLUHPHQWV 7HVW 'DWH &RPPHQW ,QOLQH)XQFWLRQ GHILQHG LQ *OREDO0DFUR K LV QRW XQLW WHVWH… 127(&%'B6DQGER[BGEJ PDS PDS ILOH LV HPEHGGHG IRU UHIHUHQFH 127(&RQVWDQW 'B122$$7,9(,19(57(5$\B17B8 LV FRQILJXUDEOH YDULDEOH DQG ZK… GHFODUHG LQ YDULDEOH DV FRQVWDQW LW LV GHFODUHG DV YDULDEOH IRU WHVWLQJ S…

$WWULEXWHV

1DPH	9DOXH
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false

Attributes

Name	Value
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\DiagMgr_Failaction\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case   Metrics Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TS1.1 25.00 Cycles
	TS1.2 25.00 Cycles

Description Editor   Description

TS Shortest Execution Path Data Bitmask   U TRUE
TS Longest Execution Path Data Bitmask   U FALSE

Test Step   Repeat Count ✔

Name	Input Value
Bitmask	
Data	

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7HVW 6WHS 5HSHDW &RXQW			✓
1DPH	,QSXW 9DOXH		
%LW0DVN			
'DWD			
1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5HDG%LWBX			✓

7HVW 6WHS &DOO 7UDFH			✓
$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV
QRQH		1R &DOO ([SHFWHG	✓

7HVW 6WHS 5HSHDW &RXQW			✓
1DPH	,QSXW 9DOXH		
%LW0DVN			
'DWD			
1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5HDG%LWBX			✓

7HVW 6WHS &DOO 7UDFH			✓
$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV
QRQH		1R &DOO ([SHFWHG	✓

7HVW 6WHS 5HSHDW &RXQW			✓
1DPH	,QSXW 9DOXH		
%LW0DVN			
'DWD			
1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5HDG%LWBX			✓

7HVW 6WHS &DOO 7UDFH			✓
$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV
QRQH		1R &DOO ([SHFWHG	✓

7HVW 6WHS 5HSHDW &RXQW			✓
1DPH	,QSXW 9DOXH		
%LW0DVN			
'DWD			
1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5HDG%LWBX			✓

7HVW 6WHS &DOO 7UDFH			✓
$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV
QRQH		1R &DOO ([SHFWHG	✓

7HVW 6WHS 5HSHDW &RXQW			✓
1DPH	,QSXW 9DOXH		
%LW0DVN			
'DWD			
1DPH	$FWXDO 9DOXH	([SHFWHG 9DOXH	5HV
5HDG%LWBX			✓

7HVW 6WHS &DOO 7UDFH			✓
$FWXDO)XQFWLRQ	&RX(	([SHFWHG)XQFWLRQ	&RX(5HV
QRQH		1R &DOO ([SHFWHG	✓

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Test Step   Repeat Count ✔

Name	Input Value		
BitMask			
Data			
Name	Actual Value	Expected Value	Res
ReadBit_u			✔

Test Step Call Trace ✔

Actual Function	Cou(Expected Function	Cou(Res
none	No Call Expected	✔

Test Step   Repeat Count ✔

Name	Input Value		
BitMask			
Data			
Name	Actual Value	Expected Value	Res
ReadBit_u			✔

Test Step Call Trace ✔

Actual Function	Cou(Expected Function	Cou(Res
none	No Call Expected	✔

Test Case   Path Test ✔

Specification: Performance Metrics (With "None" Instrumentation
and WithPS Environment)
CPU Cycles:

TS3.1 25.00 Cycles
TS3.2 25.00 Cycles

Description / Ctor Description

TS Return FALSE
TS Return TRUE

Test Step   Repeat Count ✔

Name	Input Value		
BitMask			
Data			
Name	Actual Value	Expected Value	Res
ReadBit_u			✔

Test Step Call Trace ✔

Actual Function	Cou(Expected Function	Cou(Res
none	No Call Expected	✔

Test Step   Repeat Count ✔

Name	Input Value		
BitMask			
Data			
Name	Actual Value	Expected Value	Res
ReadBit_u			✔

Test Step Call Trace ✔

Actual Function	Cou(Expected Function	Cou(Res
none	No Call Expected	✔