// PROGRAMMING SKILLS ROUTINE FOR CATAPULT	ВОТ
<pre>double skills[] = { 90,</pre>	START FACING 90°
, = = ,	LOWER WRIST DRAW BACK CATAPULT
DRIVE,-127,90,DISTANCE,1.5,2, //	DRIVE OFF TILE DRIVE TO KNOCK CAP DRIVE BACK
FLIPSEEK,FLIP_POS1, // WRISTSEEK,WRIST_FORWARD_POS, //	TURN TO PICK UP FLIPPER SEEK TO STOP DRIFE PUT FLIPPER DOWN PAUSE WHILE FLIPPER LOWERS
WRISTSEEK,WRIST_VERTICAL_POS, // DRIVE,40,0,DISTANCE,0.1,2, //	DRIVE TO GET CAP LIFT CAP DRIVE FORWARDS A LITTLE PAUSE WHILE CAP LIFTS
PAUSE,0.5, // WRISTSEEK,WRIST_FORWARD_POS, //	FLIP CAP WAIT FOR CAP TO FLIP PUT CAP DOWN PAUSE TO LET CAP DOWN
FLIP,	DRIVE AWAY PUT FLIPPER STRAIGHT TURN TO FACE NEXT CAP DRIVE TO OTHER CAP LIFT CAP PAUSE TO LET LIFT FLIP OTHER CAP LOWER CAP
DRIVE,127,45,DISTANCE,1,2, // WRISTSEEK,WRIST_FORWARD_POS, //	TURN TO HELP FLIP DRIVE AWAY MAKE SURE WRIST IS DOWN TURN TO FACE START TILE
DRIVE, 127, 90, DISTANCE, 2, 2, // DRIVE, -127, 90, SONAR, 0.3, 1, //	RAISE WRIST DRIVE BACK TO TILE DRIVE AWAY FROM WALL REVERT FLIPPER
TURN,3,2, // DRIVE,127,3,WHITE,2, // DRIVE,127,3,BLACK,2, //	LOWER WRIST HALF WAY TURN TO FACE FLAGS DRIVE ONTO TILE DRIVE OFF TILE DRIVE ONTO NEXT TILE

DRIVE,70,3,BLACK,2, DRIVE,-60,3,0.1, DRIVE,-60,3,DISTANCE,0.1,1, TURN,0,2,	// DRIVE OFF TILE // DRIVE TO BREAK // DRIVE BACK A LITTLE MORE // MAKE SURE LINED UP
TURN,350,2, WRISTSEEK,WRIST_VERTICAL_POS-50 BALLS IN	// TURN TO FACE FLAGS // MOVE WRIST UP TO MAKE SURE
TURN_AIM, BLUE_FLAG, LEFT, 2, WRISTSEEK, WRIST_FORWARD_POS/2, PAUSE, 0.25,	// AIM AT LEFT-MOST BLUE FLAG // LOWER WRIST AGAIN // SHORT PAUSE
FIRE_AIM, PAUSE,FIRED,2, PAUSE,0.5, DRIVE,127,CDIR,DISTANCE,2,2, TURN,3,2, DRIVE,-127,3,0.2, TURN,3,2,	<pre>// AIM AND FIRE AT FLAGS // PAUSE UNTIL FIRED // PAUSE A LITTLE MORE // DRIVE TO HIT BOTTOM FLAG // TURN STRAIGHT // DRIVE BACK // MAKE SURE STRAIGHT</pre>
DRIVE,-127,0,WHITE,2, DRIVE,-127,0,DISTANCE,0.1,2, DRIVE,127,0,DISTANCE,0.05,2, WRISTSEEK,WRIST_FORWARD_POS, TURN,125,2,	<pre>// DRIVE TO START TILE // DRIVE A LITTLE MORE // DRIVE TO BREAK // LOWER WRIST // TURN TO FACE NEXT CAP</pre>
DRIVE,-40,125,DISTANCE,1.75,2, PAUSE,0.25, WRISTSEEK,WRIST_VERTICAL_POS, DRIVE,40,125,DISTANCE,0.1,2, PAUSE,1.5, FLIP, PAUSE,0.5, WRISTSEEK,WRIST_FORWARD_POS,	<pre>// DRIVE TO NEXT CAP // SHORT PAUSE // LIFT CAP // DRIVE BACK A LITTLE // PAUSE WHILE CAP LIFTS // FLIP CAP // PAUSE TO LET FLIP // PUT CAP DOWN</pre>
TURN,180,2, DRIVE,100,180,DISTANCE,0.8,2, FLIP, WRISTSEEK,WRIST_FORWARD_POS*0.7 TURN,90,2, DRIVE,-127,90,DISTANCE,1.35,2,	// TURN FOR NEXT MOVE // DRIVE TO LINE UP FOR CAP // PUT FORKS UPRIGHT 75, // LOWER WRIST HALF WAY // TURN TO FACE CAP // DRIVE TO KNOCK CAP
TURN,0,2, DRIVE,127,0,DISTANCE,0.1,2, TURN,0,2, TURN,350,1,	// TURN TO FACE FLAGS // DRIVE TO CORRECT RANGE // AIM AT FLAGS // AIM AT FLAGS
WRISTSEEK,WRIST_VERTICAL_POS-50 TURN_AIM,BLUE_FLAG,LEFT,2, WRISTSEEK,WRIST_FORWARD_POS/2, PAUSE,0.25,	7/ RAISE WRIST TO KNOCK BALLS // AIM AT LEFT-MOST BLUE FLAG // LOWER WRIST // SHORT PAUSE

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FIRE_AIM,
                                      // FIRE AT FLAGS
PAUSE, FIRED, 2,
                                      // PAUSE UNTIL FIRED
PAUSE, 0.5,
                                      // SHORT PAUSE
DRIVE, 127, CDIR, DISTANCE, 1.5, 2,
                                      // DRIVE TO HIT BOTTOM FLAG
                                      // TURN STRAIGHT
TURN, 0, 2,
DRIVE, -100, 0, DISTANCE, 2, 2,
                                      // DRIVE BACK
DRIVE, 127, 0, DISTANCE, 0, 5, 2,
                                      // DRIVE FORWARD A LITTLE
TURN, 90, 2,
                                      // TURN TO FACE NEXT CAP
WRISTSEEK, WRIST_FORWARD_POS,
                                      // LOWER FORKS
                                      // DRIVE CLOSE TO CAP
DRIVE, -127, 90, DISTANCE, 1, 2,
DRIVE, -40, 90, DISTANCE, 1, 3,
                                      // DRIVE TO GET CAP
WRISTSEEK, WRIST VERTICAL POS,
                                      // LIFT CAP
DRIVE, -40, 90, DISTANCE, 1, 2,
                                      // DRIVE BACK
PAUSE, 1,
                                      // PAUSE WHILE CAP LIFTS
FLIP,
                                      // FLIP THE CAP
WRISTSEEK, WRIST_FORWARD_POS,
                                      // PUT THE CAP DOWN
DRIVE, 100, 90, DISTANCE, 1, 2,
                                      // DRIVE FORWARDS
                                      // TURN TO FACE FLAGS
TURN, 0, 2,
WRISTSEEK, WRIST VERTICAL POS,
                                      // RAISE WRIST
DRIVE, 127, 0, DISTANCE, 1.5, 2,
                                      // DRIVE TO HIT BOTTOM FLAG
TURN, 0, 2,
                                      // TURN STRAGIGH
DRIVE, -100, 0, DISTANCE, 2, 2,
                                      // DRIVE BACK TO LINE UP FOR
SHOT
TURN, 345, 1,
                                      // TURN TO FACE FLAGS
WRISTSEEK, WRIST VERTICAL POS-50,
                                      // RAISE WRIST TO KNOCK BALLS
TURN_AIM, BLUE_FLAG, CENTER, 2,
                                      // AIM AT CENTER-MOST BLUE
FLAG
WRISTSEEK, WRIST FORWARD POS/2,
                                      // LOWER WRIST
                                      // SHORT PAUSE
PAUSE, 0.25,
FIRE AIM,
                                      // FIRE AT LAST FLAGS
PAUSE, FIRED, 2,
                                      // PAUSE UNTIL FIRED
                                      // SHORT PAUSE
PAUSE, 0.5,
END
                                      // END OF ROUTINE
```

};