

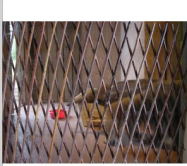
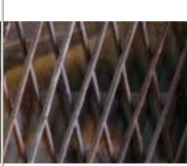




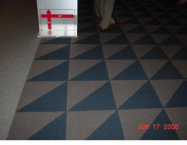
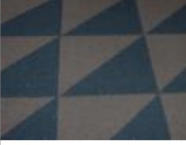

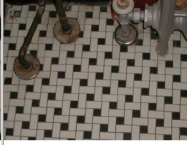














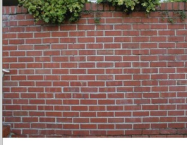



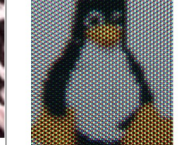
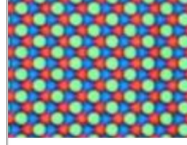

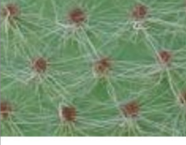








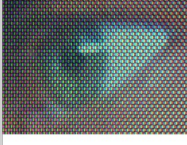
























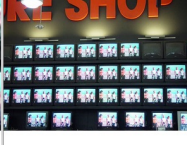



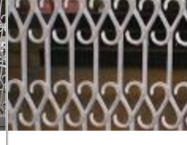



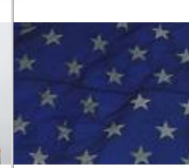



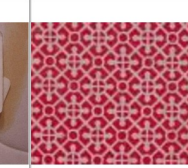






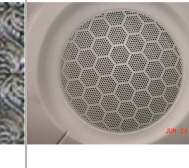
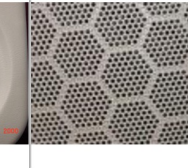






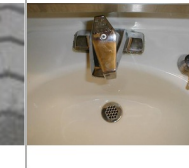
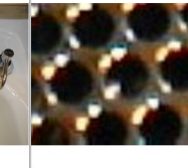




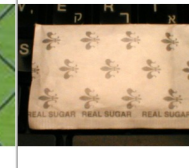


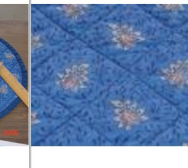


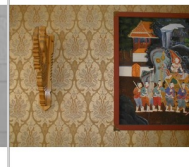

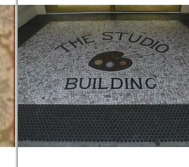

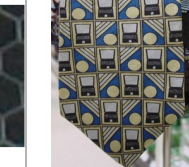


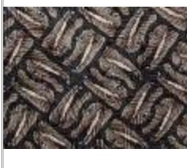

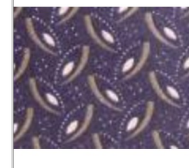





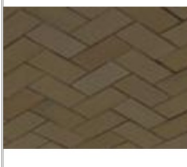
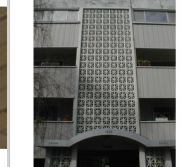
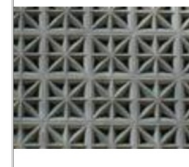







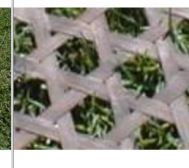

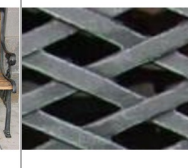



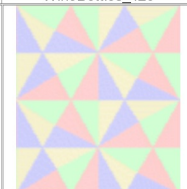


Dror Bar-Natan's **tilings worksheet**: Classify the following pictures according to the following possibilities: 2222, 333, 442, 632, *2222, *333, *442, *632, 4*2, 3*3, 2*22, 22*, **, *o, oo, 22o, and 0 (the pictures come in {context, pattern} pairs).

							
Alhambra	Alhambra_120	AnteaterCage	AnteaterCage_120	ArchStreetFence	ArchStreetFence_sm	AshbyTiles	AshbyTiles_120
							
BWICarpet	BWICarpet_120	BathroomTiles_120	BathroomTiles_640	BedCoverAndAnnie	BedCoverEnlarged	BethEIQuilt	BethEIQuilt_120
							
BethEISidewalk	BethEISidewalk_sm	BethlehemRoadTiles	BethlehemRoadTiles_120	BicycleReflector	BicycleReflector_120	BrakePedal	BrakePedal_120
							
BrickPartition	BrickPartition_120	BrickWall	BrickWall_sm	BriennesNecklace	BriennesNecklace_120	CRTPixels	CRTPixels_120
							
Cactus	Cactus_120	CaesareaMosaic_120	CaesareaMosaic_640	ChildsDrawing	ChildsDrawing_sm	CleaningCloth	CleaningCloth_120
							
ClimbingNet	ClimbingNet_120	DSC-S70Pixels	DSC-S70Pixels_120	DamascusTable	DamascusTable_120	EowynRieke	EowynRieke_120
							
ExploratoriumBathroom	ExploratoriumBathroom_sm	ExternalWallTiles	ExternalWallTiles_120	FRACeiling	FRACeiling_120	FlowerBasket	FlowerBasket_sm
							
FlowersWallpaper	FlowersWallpaper_120	FootstepInSand	FootstepInSand_120	Footstool	Footstool_120	FrontGrill	FrontGrill_sm
							
FrozenFence	FrozenFence_240	FutureShop_120	FutureShop_640	GarageDoor	GarageDoor_sm	GatedDoorway	GatedDoorway_sm

GionTiles_120	GionTiles_640	GlassWall	GlassWall_120	HNLWall	HNLWall_120	HTMLBackground	HTMLBackground_120
HarHaMenuhotWall	HarHaMenuhotWall_120	HebrewAcademy	HebrewAcademy_120	HexGame	HexGame_sm	HotPad	HotPad_120
IncentBurner	IncentBurner_120	JCCBench	JCCBench_sm	JapanesePlate_120	JapanesePlate_800	Kaleidoscope-2	Kaleidoscope-2_120
Kaleidoscope	Kaleidoscope_120	KauffmanTie	KauffmansTie_1280	KuramaguchiStation_120	KuramaguchiStation_640	LCDPixels	LCDPixels_120
LakeMerritBuilding	LakeMerritEnlarged	LalushkaFloorTiles	LalushkaFloorTiles_120	Lego	Lego_120	LittleItalyChair	LittleItalyChair_120
MSRIBathroom	MSRIBathroom_sm	MayasTablecloth	MayasTablecloth_120	MetalGrating	MetalGrating_sm	MorrocanTabletop_120	MorrocanTabletop_640
NewGeometrics	NewGeometrics_120	NicholasKZieveShirt	NicholasKZieveShirt_120	NonSlid	NonSlid_120	OldRadio	OldRadio_120
OutsideWall	OutsideWall_sm	OxfordStreetEntryway	OxfordStreetEntryway_sm	PaperTowel	PaperTowel_120	ParkingLotTiles	ParkingLotTiles_120
PentagonalTiles	PentagonalTiles_120	PicnicBasket	PicnicBasket_120	PizzaUnoFloorTiles	PizzaUnoFloorTiles_120	PlaygroundFence	PlaygroundFence_120

							
PotholeCover	PotholeCover_120	ProudSymbol	ProudSymbol_120	PrudentialBuilding	PrudentialBuilding_120	QueenOfHearts	QueenOfHearts_120
							
RenaissanceHotel	RenaissanceHotel_120	ReznikoffShirt	ReznikoffShirt_120	SFGlassWindow	SFGlassWindow_sm	SableSpeaker	SableSpeaker_120
							
SafewayCart	SafewayCart_sm	Shredder	Shredder_120	SidewalkTiles	SidewalkTiles_120	SinkDrainer	SinkDrainer_sm
							
SisInLawShirt	SisInLawShirt_120	SportsFieldFence	SportsFieldFence_120	SugarPacket	SugarPacket_sm	TableMat	TableMat_120
							
TanHall	TanHall_sm	ThaiWallpaper	ThaiWallpaper_sm	TheStudioBuilding	TheStudioBuilding_sm	TieAtFrys	TieAtFrys_120
							
TieAtSFO	TieAtSFO_120	TieAtSears	TieAtSears_120	TireThreads	TireThreads_120	ToiletPaper	ToiletPaper_120
							
UnderKnapp	UnderKnapp_120	WalnutStreetBuilding	WalnutStreetBuilding_sm	WalthamParkTiles	WalthamParkTiles_120	WaterPipes	WaterPipes_120
							
WineBottles	WineBottles_120	WovenBasket	WovenBasket_sm	WovenBenchBack	WovenBenchBack_120	Yeshua	Yeshua_120
							
artificial-333-full	artificial-333						

This worksheet: <http://drorbn.net/AcademicPensieve/2014-08/17Worlds/WorkSheet.pdf>

Solutions and more: <http://www.math.toronto.edu/~drorbn/Gallery/Symmetry/Tilings/>

Talk: <http://www.math.toronto.edu/~drorbn/Talks/ClassroomAdventures-1408/>